

5/17/6

COUNTY OF INVERNESS.



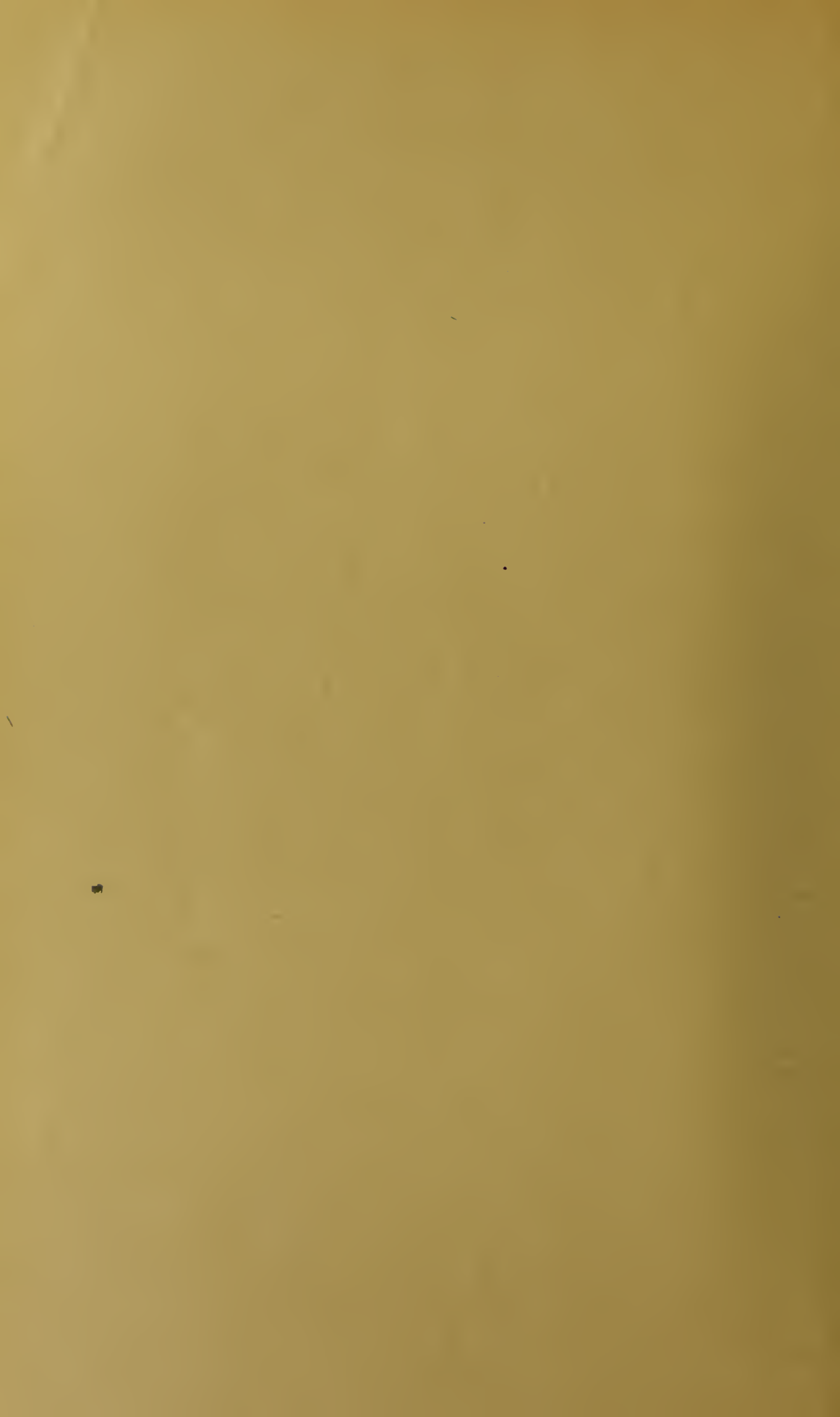
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**ANNUAL REPORT**  
**by the**  
**Medical Officer of Health**  
**for year 1953.**

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*W. D. WILSON, M.D., D.P.H.,*

*MEDICAL OFFICER OF HEALTH.*





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*MEDICAL OFFICER OF HEALTH.*



C O U N T Y    O F    I N V E R N E S S

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ANNUAL REPORT OF THE MEDICAL OFFICER OF HEALTH

FOR THE YEAR

1953

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To

The Secretary, Department of Health for Scotland .

and

The Convener and Councillors of the County Council of Inverness

My Lords, Ladies and Gentlemen,


In accordance with the instructions laid down in the D.H.S. Circular No. 83/1953, I have the honour to submit the Annual Report on the health of the County of Inverness for the year ended 31st December, 1953.

I am,

Your obedient Servant,

W. D. WILSON, M.D., D.P.H.,

Medical Officer of Health.



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## P R E F A C E.

In submitting the Annual Report on the Health of the County and on the activities of the Health and Welfare Departments during 1953, I have thought it useful to comment on certain points. Generally speaking, the health of the County has been well maintained during the year as is evident by the vital statistics. The death rate was 12.5 per 1,000 which shows a slight increase when compared with last year, but is below the average for the previous five years.

The infant mortality rate stands at 32 per 1,000 live births, an increase of 7 when compared with last year, but it should be noted that during the past five years there is an overall downward trend.

As in 1950 and 1951 it is most gratifying to note that no maternal deaths occurred in 1953.

Infectious Diseases. In this field the most common infection has been scarlet fever, which fortunately continued in a mild form. Altogether 70 cases were reported and all recovered.

The happy position with regard to diphtheria should be noted, no case being encountered for the second year in succession.

There was an increased incidence of poliomyelitis - 11 cases in all, 10 occurring in Badenoch and Skye, areas which have had experience of poliomyelitis in the past. Much research work on this disease is being done, with particular reference to an immunising vaccine, but this is not yet assured. Meanwhile, reliance must be placed on general measures for the control of the disease.

A rather surprising feature is the severe drop in the number of whooping-cough cases notified in this year as compared with 94 last year.

Maternity and Child Welfare. Generally speaking this section calls for no special comment. The birth rate shows little change, being 16.9 per 1,000 of the population. A noteworthy factor is that of the total of 937 births which occurred during the year, 66% took place in hospital. Of the 318 births which occurred at home it will be noted that 95 were given gas and air and 107 pethedine. The gas and air apparatus has the disadvantage of being somewhat cumbersome and the mother must be thoroughly conversant with it if the fullest benefit is to be obtained.

With regard to the dental care of expectant and nursing mothers and pre-school children it has not yet been found possible to implement any scheme, the school dental staff being fully occupied with overtaking the work which had accumulated in the schools.

Tuberculosis. The decline in the death rate from this disease has been commented on in previous Reports. The rate for 1953, 0.19 per 1,000, was the same as the previous year and is the lowest recorded within the last ten years.

It is gratifying to note also a marked reduction in the number of notified cases during 1953, the figures being the lowest for 13 years. It is to be hoped that this decline will be maintained.

Another gratifying feature and important from the point of view of prevention, is the virtual disappearance of the once long waiting list for admission to hospitals and sanatoria.

Another important development was the extension of tuberculin testing and B.C.G. vaccination to school children residing in Education Authority Hostels throughout the County.

Domestic Help Scheme. Details are given in the Report on the working of the scheme during the year where it will be noted that it has continued to develop. Although in many respects the scheme is costly and administratively is time-consuming and fraught with many problems, these disadvantages are offset by the undoubted benefit to the families or persons assisted. Much of the help is being provided for aged persons and it will not be forgotten that in these cases the

provision of the home help is the means often of keeping them out of hospital and Part III Accommodation, alternative arrangements which are a much greater charge to public funds.

Home Nursing and Midwifery. This service works exceptionally well, the "combined" nurse meeting the needs of the community generally. The only modification I would offer is the introduction of Health Visitors. Having regard to the nature of the County with its long distances and scattered population, it is gratifying to note that 48 of the 58 nurses have been provided with cars.

School Health Service. It should be noted that the Report dealing with the School Health Service refers to the year ending 31st July, 1953. The findings on medical inspection are fully commented upon on pages 2-42 but one or two points are being emphasised.

With regard to school dentistry, an innovation was the appointment of Mr P. B. Taylor as Chief Dental Officer, Mr Taylor taking up duty in March. Another development was the acquisition of a new mobile dental unit with a Land Rover as the towing unit.

The provision of an adequate dental service both for the schools and the community generally has always been a problem in the Outer Islands. Mr MacLeod was appointed ~~jointly~~ <sup>jointly</sup> with the Executive Council to serve the needs of North Uist, South Uist and Barra. Unfortunately for economic reasons he could not see his way to continue and resigned in April, 1953. His successor Mr Campbell has subsequently taken up duty, and it is to be hoped that he will find the work in these islands congenial and profitable.

With regard to the School Medical Service an innovation was the proposed appointment, jointly with the Regional Hospital Board, of a ~~special~~ <sup>speech</sup> therapist. The services of a suitable person have been obtained and a preliminary survey of the schools is under way.

In conclusion, I wish to record my appreciation of the help and kindness shown to me by the Chairman and Members of the Health and Welfare Committee, by fellow officials in other Departments of the County Council, by personnel in other branches of the National Health Service, and by my colleagues and staff in the Public Health Department. To them I owe a particular debt of gratitude as they are responsible for the work which this report records.

W. D. WILSON, M.D., D.P.H.,  
Medical Officer of Health.

October, 1954.



## S T A F F I N G.

The staff at 31st December, 1953, was as follows:-

### Public Health Department.

Medical Officer of Health and School Medical Officer

W. D. WILSON, M.D., D.P.H.

Deputy Medical Officer of Health

J. DEWAR, M.B., Ch.B., D.P.H.

Assistant Medical Officers of Health

R. G. MURRAY, M.B., Ch.B., D.P.H.; MARY H. MACARTHUR, M.B., Ch.B.

Chief Dental Officer

P. B. TAYLOR, L.D.S., F.R.D.S.

School Dental Officers

J. MACLEOD, L.D.S.; A. MASON, L.D.S.; W. G. BURNSIDE, B.D.S.

Part-time School Dental Officer

N. G. CAMPBELL, L.D.S.

School Dental Attendants

Mrs C. M. HORTON, S.R.N.; Miss J. B. SINCLAIR

County Analyst

A. SCOTT DODD, B.Sc., Ph.D., F.I.C., F.C.S., F.R.S.E.

Superintendent Nursing Officer and Supervisor of Midwives

MARY B. CLYNE, S.R.N., S.C.M., H.V., Queen's Nurse

Assistant Superintendent Nursing Officer

ISOBEL F. McFADYEN, S.R.N., S.C.M., H.V., Queen's Nurse

District Nursing Sisters, who perform the combined duties of home nursing, midwifery, child welfare, health visiting and school nursing. (This figure includes relief nurses)

58

School Nurses

CHRISTINA MACDONALD, S.R.N.; JEAN E. C. GORDON, S.R.N., S.C.M.;

CATHERINE A. HONEYMAN, S.R.N., S.C.M., H.V., R.F.N.

Clerical Staff

Miss A. LAW, M.A.; Miss H. TULLOCH; Miss M. ROSS

### Sanitary Department.

Chief Sanitary Inspector

W. MACDONALD, Sanitary Inspector's Certificate

Assistant Chief Sanitary Inspector

W. FRASER, Sanitary Inspector's Certificate; Meat Inspector's Certificate

District Sanitary Inspectors

- A. D. MACKINTOSH, Sanitary Inspector's Certificate, Meat Inspector's Certificate;
- G. MELLAN, Sanitary Inspector's Certificate, Meat Inspector's Certificate;
- J. G. SANSON, Sanitary Inspector's Certificate;
- J. D. THOMSON, Sanitary Inspector's Certificate

Milk Officer  
VACANT

Pest Destruction Officer  
Mr CHARLES C. MATHESON

Clerical Staff  
Miss I. MACKINTOSH; Miss V. FREWIN

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# S U M M A R Y   O F   S T A T I S T I C S

The following table gives a summary of the principal statistics for the five year period 1949 - 1953. The figures are based on the information submitted annually by the Registrar General.

|   | 1949   | 1950   | 1951   | 1952   | 1953   |
|---|--------|--------|--------|--------|--------|
| Population (Civilian) at Mid Year.....                                      | 57,745 | 60,147 | 57,704 | 58,062 | 57,573 |
| Marriage Rate (per 1,000 of population).....                                | 3.7    | 3.5    | 3.3    | 3.4    | 3.4    |
| Live Birth Rate (                "                ).....                    | 17.8   | 16.3   | 17.5   | 16.4   | 16.9   |
| Still Birth Rate (per 1,000 total births).....                              | 22     | 34     | 21     | 24     | 25     |
| Death Rates:-   |        |        |        |        |        |
| All causes (per 1,000 of population).....                                   | 13.2   | 13.4   | 14.6   | 11.7   | 12.5   |
| Pulmonary Tuberculosis (                "                ).....             | 0.73   | 0.37   | 0.26   | 0.17   | 0.09   |
| * Epidemic Diseases                (                "                )..... | 0.36   | 0.30   | 0.49   | 0.05   | 0.03   |
| Maternal Mortality (per 1,000 total births).....                            | 1.9    | -      | -      | 1.02   | -      |
| Infant Mortality (per 1,000 live births).....                               | 36     | 40     | 28     | 25     | 32     |

\* Typhoid Fever, Meningococcal Infections, Scarlet Fever, Whooping Cough, Diphtheria, Influenza and Measles.

# VITAL STATISTICS.

## GENERAL.

A copy of the Registrar-General's Form S.D.10a for 1953 is set out below giving a general summary of the vital statistics for the year with particular reference to the numbers before and after correction for place of residence.

|                                      | No.<br>Registered<br>in<br>District | Transfers |     | No. Corrected for Transfers |       |         | Rate per<br>1,000<br>of Est. Pop.<br>(Both Sexes) |
|--------------------------------------|-------------------------------------|-----------|-----|-----------------------------|-------|---------|---|
|                                      |                                     | Out       | In  | Both Sexes                  | Males | Females |   |
| Live Births (including Illegitimate) | 433                                 | 4         | 543 | 972                         | 508   | 464     | 16.9  |
| Live Births Illegitimate.....        | 19                                  | -         | 32  | 51                          | 23    | 28      | 5.2 (2)   |
| Still-Births.....                    | 8                                   | -         | 17  | 25                          | 10    | 15      | 25.0 (3)  |
| Marriages.....                       | 193                                 | -         | -   | -                           | -     | -       | 3.4   |
| Deaths -                             |                                     |           |     |                             |       |         |   |
| All Causes.....                      | 645                                 | 113       | 187 | 719                         | 357   | 362     | 12.5  |
| Tuberculosis (All Forms).....        | -                                   | -         | -   | 11                          | 8     | 3       | 0.19  |
| " (Respiratory System).....          | -                                   | -         | -   | 5                           | 4     | 1       | 0.09  |
| Principal Epidemics Dis. (1).....    | -                                   | -         | -   | 2                           | 1     | 1       | 0.03  |
| Children aged under one year.....    | -                                   | -         | -   | 31                          | 13    | 18      | 32.0 (4)  |
| Children aged under four weeks....   | -                                   | -         | -   | 19                          | 10    | 9       | 20.0 (4)  |

(1) Typhoid Fever, meningococcal infections, scarlet fever, whooping-cough, diphtheria, influenza and measles.

(2) Per 100 live births.

(3) Per 1,000 total births (including still-births).

(4) Per 1,000 live births.

## POPULATION.

The Registrar-General's estimate of the total population of the County of Inverness as at 30th June, 1953 is 57,573. This figure is exclusive of the Burgh of Inverness but includes the small Burghs of Fort William and Kingussie with an estimated population of 2,787 and 1,060 respectively.

As will be seen from the summary of statistics on page 1 there is a slight fall in the population for 1953 as compared with that for the years 1951 and 1952. The average figure for the five-year period 1949 - 1953 is 58,246.

## BIRTHS.

The number of live births registered in the County during 1953 was 433, a slight increase over the figure for 1952 when the number was 427. There were 543 transfers in and 4 transfers out, after correction for mother's residence had been made, bringing the total births for the County up to 972, equivalent to a rate of 16.9 per 1,000 of the population. The figure comprises 508 males and 464 females.

The table set out below, which covers the five-year period from 1949 - 53 is interesting for comparative purposes within the County and with Scotland as a whole.

#### REGISTERED BIRTHS 1949 - 1953

| Year | Inverness County<br>Numbers after Correction<br>for Transfer | Rate per 1,000<br>of the Population |          |
|------|--|-------------------------------------|----------|
|      |  | Inverness County                    | Scotland |
| 1949 | 1,029  | 17.8                                | 18.5     |
| 1950 | 980  | 16.3                                | 17.9     |
| 1951 | 1,009  | 17.5                                | 17.7     |
| 1952 | 954  | 16.4                                | 17.7     |
| 1953 | 972  | 16.9                                | 17.8     |

The number of illegitimate live births registered was 51 - 23 males and 28 females, being equivalent to a rate of 5.2 per 100 live births. The corresponding figure for 1952 was 53 which was equivalent to a rate of 5.6 per 100 live births.

The number of still births registered during the year was 25, after correction for mother's residence, the rate being equivalent to 25 per 1,000 total births - live and still.

As will be seen from the following table the still birth rate for the County of Inverness continues to compare favourably with the rate for Scotland generally.

| Year | Rate per 1,000 total births<br>live and still |          |
|------|---|----------|
|      | Inverness County                              | Scotland |
| 1949 | 22  | 27       |
| 1950 | 34  | 27       |
| 1951 | 22  | 26       |
| 1952 | 24  | 26       |
| 1953 | 25  | 25       |

#### MARRIAGES.

The number of marriages registered was 193, equivalent to a rate of 3.4 per 1,000 of the population. In 1952, 197 marriages were registered which was also equivalent to a rate of 3.4 for that year.

#### DEATHS.

The total deaths for the year, after correction for home residence, numbered 719, being 357 males and 362 females and equivalent to a rate of 12.5 per 1,000 of the population. The average rate for the previous five years was 13.14. On pages 8 and 9 these 719 deaths are detailed and classified in age and sex groups. The death rate per 1,000 of the population from each specific cause is also given.

As in 1952 the three principal causes of death were heart disease, malignant disease and dis-



eases of the nervous system including cerebral haemorrhage and cerebral thrombosis, the respective figures being 221, 124 and 107 deaths representing 30.7%, 17.2% and 14.8% of the total deaths. The corresponding figures for 1952 were 200, 120 and 101 deaths in these three groups.

The sex and age grouping for 1953 is as follows:-

| Cause of Death                  | Total | Sex    | Age Groups |     |     |       |       |       |       |       |       |       |       |             |
|---------------------------------|-------|--------|------------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
|                                 |       |        | Under 1    | 1-4 | 5-9 | 10-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75-84 | 85 and over |
| Heart Disease.....              | 114   | Male   | -          | -   | -   | -     | -     | -     | 2     | 6     | 15    | 35    | 38    | 18          |
|                                 | 107   | Female | -          | -   | 1   | 1     | -     | 1     | -     | 6     | 9     | 29    | 34    | 26          |
| Malignant Disease..             | 62    | Male   | -          | 1   | -   | -     | -     | -     | 4     | 6     | 12    | 17    | 19    | 3           |
|                                 | 62    | Female | 1          | -   | -   | -     | -     | -     | 2     | 9     | 17    | 15    | 16    | 2           |
| Diseases of Nervous System..... | 40    | Male   | -          | -   | -   | 1     | -     | 1     | 2     | -     | 5     | 12    | 14    | 5           |
|                                 | 67    | Female | -          | -   | -   | -     | 1     | -     | 1     | 7     | 7     | 19    | 18    | 14          |

In all three groups the majority of these deaths occurred in persons ranging in age from 45 years and upwards, the proportion for heart disease being 98%, for malignant disease 94% and diseases of the nervous system 95%.

For comparison with previous years, the numbers of deaths from these three main causes, together with the rates per 1,000 of the population are detailed in the following table:-

| Cause of Death   | 1950 |      | 1951 |      | 1952 |      | 1953 |      |
|--|------|------|------|------|------|------|------|------|
|  | No.  | Rate | No.  | Rate | No.  | Rate | No.  | Rate |
| Heart Disease.....                                       | 218  | 3.67 | 219  | 3.79 | 200  | 3.44 | 221  | 3.84 |
| Malignant Disease..                                      | 126  | 2.09 | 114  | 1.98 | 120  | 2.06 | 124  | 2.15 |
| Diseases of Nervous System, including Vascular Lesions.. | 133  | 2.21 | 141  | 2.44 | 101  | 1.74 | 107  | 1.86 |

Detailed information relating to deaths from all forms of tuberculosis is given in the section of the Report which deals with this disease.

There was a further decline in deaths from epidemic diseases during 1953. Only two deaths occurred - one from poliomyelitis and one from influenza, the rate being 0.03 per 1,000 of the population.

The fluctuating trend, over the past fourteen years, of deaths from the principal epidemic diseases is illustrated by the graph on page 5.

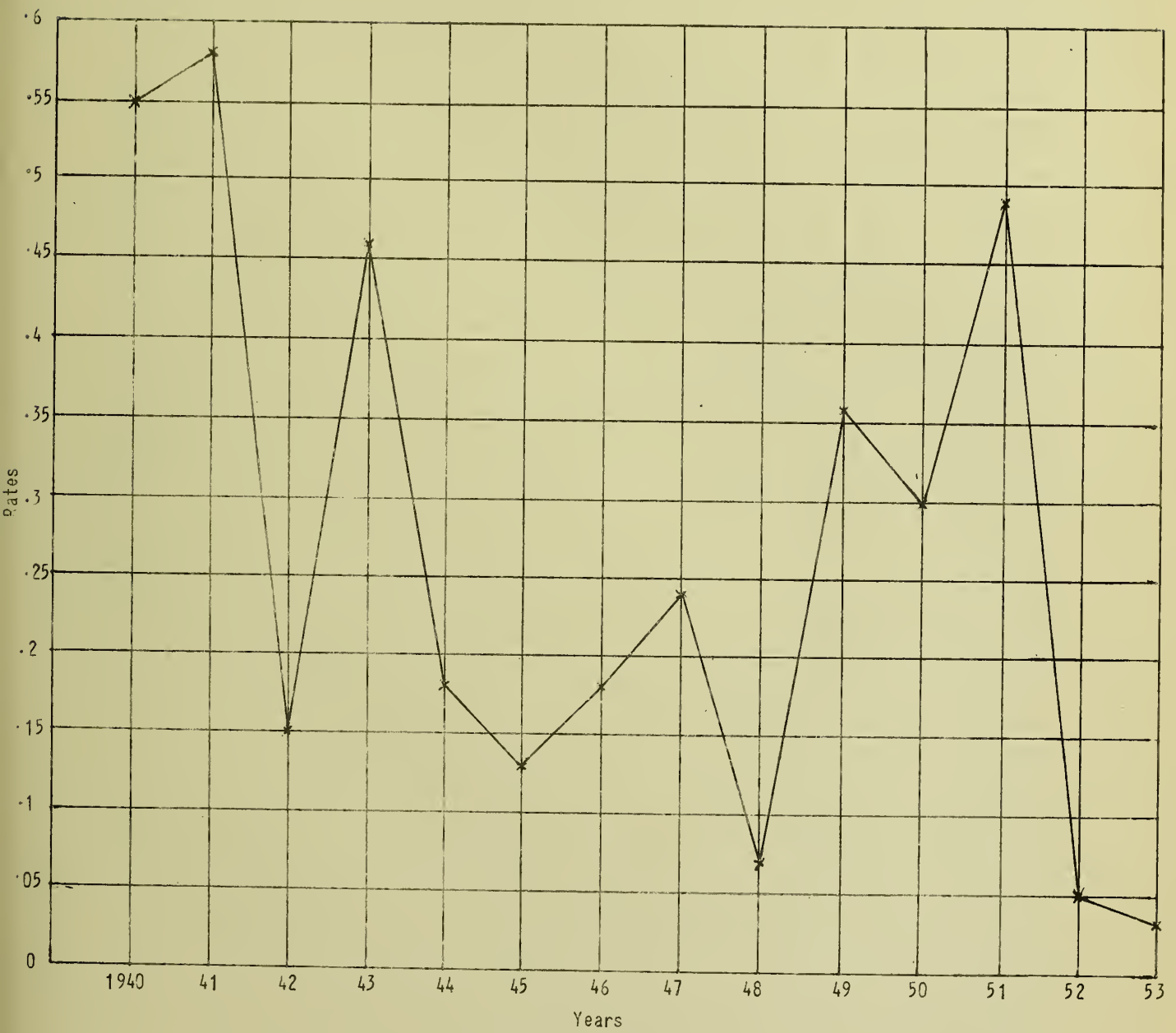
During 1953, there was an increase of 7 deaths among children under one year of age, the number being 31, equivalent to a rate of 32 per 1,000 live births as compared with 24, equivalent to a rate of 25 in 1952. Of the 31 deaths for 1953, 19 related to children who died within the first four weeks of life. This figure is equivalent to a rate of 20 per 1,000 live births. The causes of death among these children are detailed in the section of this Report which deals with Child Health and Welfare.



EPIDEMIC DISEASE DEATHS.

Rates per 1,000 of the Population.

Years 1940-1953.



## DEATHS FROM SPECIFIED CAUSES IN SEX AND AGE

|   | M A L E S     |           |     |     |      |      |      |      |      |      |
|---|---------------|-----------|-----|-----|------|------|------|------|------|------|
|   | Under 4 weeks | 4 weeks - | 1 - | 5 - | 10 - | 15 - | 25 - | 35 - | 45 - | 55 - |
| Tuberculosis of respiratory system.....               | -             | -         | -   | -   | -    | 1    | -    | 2    | 1    | -    |
| Tuberculosis, other forms.....                        | -             | -         | -   | -   | -    | -    | 1    | 1    | 1    | -    |
| Syphilis and its sequelae.....                        | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Typhoid fever.....                                    | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Dysentery, all forms.....                             | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Scarlet fever and streptococcal sore throat.....      | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Diphtheria.....                                       | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Whooping cough.....                                   | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Meningococcal infections.....                         | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Acute poliomyelitis.....                              | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Measles.....  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other infectious and parasitic diseases.....          | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Malignant neoplasms.....                              | -             | -         | 1   | -   | -    | -    | -    | 4    | 6    | 12   |
| Benign and unspecified neoplasms.....                 | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Diabetes mellitus.....                                | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Anaemias.....   | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other general diseases.....                           | -             | 1         | -   | -   | -    | 1    | -    | -    | -    | 1    |
| Vascular lesions affecting central nervous system.... | -             | -         | -   | -   | -    | -    | -    | 2    | -    | 4    |
| Nonmeningococcal meningitis.....                      | -             | -         | -   | -   | -    | 1    | -    | -    | -    | -    |
| Other diseases of nervous system.....                 | -             | -         | -   | -   | 1    | -    | 1    | -    | -    | 1    |
| Rheumatic fever.....                                  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Chronic rheumatic heart disease.....                  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Arteriosclerotic and degenerative heart disease.....  | -             | -         | -   | -   | -    | -    | -    | 2    | 5    | 12   |
| Other diseases of heart.....                          | -             | -         | -   | -   | -    | -    | -    | -    | 1    | 2    |
| Hypertension with heart disease.....                  | -             | -         | -   | -   | -    | -    | -    | -    | -    | 1    |
| Hypertension without heart disease.....               | -             | -         | -   | -   | -    | -    | -    | -    | -    | 2    |
| Other circulatory disease.....                        | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Influenza.....  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Pneumonia.....  | -             | -         | -   | 1   | -    | -    | -    | -    | -    | -    |
| Bronchitis.....                                       | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other respiratory diseases.....                       | -             | -         | -   | -   | -    | -    | 1    | -    | 2    | -    |
| Ulcer of stomach and duodenum.....                    | -             | -         | -   | -   | -    | -    | -    | -    | 1    | -    |
| Appendicitis.....                                     | -             | -         | -   | -   | -    | 1    | -    | -    | -    | -    |
| Intestinal obstruction and hernia.....                | -             | -         | -   | -   | -    | -    | -    | -    | 1    | 1    |
| Diarrhoea (except in newborn).....                    | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Gastritis and duodenitis.....                         | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Cirrhosis of liver.....                               | -             | -         | -   | -   | -    | -    | -    | -    | -    | 1    |
| Other diseases of liver.....                          | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other digestive diseases.....                         | -             | 1         | -   | -   | -    | -    | -    | -    | -    | 1    |
| Nephritis and nephrosis.....                          | -             | -         | -   | -   | -    | 1    | -    | -    | 1    | 1    |
| Hyperplasia of prostate.....                          | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other diseases of genito urinary system.....          | -             | -         | -   | -   | -    | 1    | -    | -    | -    | -    |
| Puerperal sepsis including post abortive sepsis.....  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other puerperal causes.....                           | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Diseases of skin and organs of locomotion.....        | -             | -         | -   | -   | -    | -    | -    | -    | 1    | -    |
| Congenital malformations.....                         | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Birth injuries, post natal asphyxia and atelectasis.. | 5             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Pneumonia of newborn.....                             | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Diarrhoea of newborn.....                             | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other infections of the newborn.....                  | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Other diseases peculiar to early infancy.....         | 5             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Senility.....   | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Causes ill-defined and unknown.....                   | -             | -         | -   | -   | -    | -    | -    | -    | -    | -    |
| Suicide.....  | -             | -         | -   | -   | -    | -    | -    | -    | -    | 1    |
| Motor vehicle accidents.....                          | -             | -         | -   | -   | 2    | 2    | 1    | -    | -    | -    |
| Other transport accidents.....                        | -             | -         | -   | -   | -    | -    | -    | -    | 1    | -    |
| Other violence.....                                   | -             | 1         | -   | -   | -    | 6    | 4    | 2    | 2    | 1    |
| Total.....  | 10            | 3         | 1   | 1   | 3    | 14   | 8    | 13   | 23   | 41   |



## CARE OF MOTHERS AND YOUNG CHILDREN.

### GENERAL.

The Report on Child Health prepared by the Committee on Child Health of the Scottish Health Services Council was published in booklet form in 1953 and circulated to all members of the Health and Welfare Committee. Later on in the year, a memorandum giving my observations on those recommendations in the Report which are of importance to the Local Health Authority was also circulated among members of the Committee. The text of the memorandum is included on pages 16-19 as an addendum to this section of the Report.

Facilities for the care of mothers and young children were provided on the same lines as in previous years.

Although an extension of the Child Welfare Services, through the medium of the Child Health Clinics, has been contemplated for some time, so far no definite steps have been taken and these clinics, which do much useful work, are still confined to the Lochaber Area.

It was intimated in the 1952 Report that accommodation for the weekly Child Welfare Clinics serving the Inverlochy and Fort William districts of the County, had been found in the Inverlochy Hall as an alternative to the Out-Patient Department of Belford Hospital, Fort William, which could no longer be made available to the Local Authority for this purpose. These new premises were taken over on 15th April, 1953.

Due to the deterioration of the Community Centre Hut at Annat, it was also found necessary during the year to obtain other accommodation for the Child Welfare Clinic for that area. By the end of the year arrangements had been made with the Kirk Session of Kilmallie Parish Church, whereby the use of the Church Hall at Caol was granted for this purpose as from 1st December, 1953, the agreement to be of a temporary nature until such time as the County Council could provide more suitable accommodation.

### MATERNAL HEALTH AND WELFARE.

#### ANTE-NATAL AND POST-NATAL SUPERVISION.

In the case of women whose applications to be confined in hospital were accepted by the Regional Hospital Board, ante-natal and post-natal supervision was carried out at the Board's Clinics held at Raigmore Hospital, Inverness, and at the Belford Hospital, Fort William.

The figures for attendances at these clinics over a period of three years are set out in the following tables:-



| ANTE-NATAL EXAMINATIONS |  |   |
|-------------------------|--|---|
| Year                    | Number of Women who attended during year | Total number of attendances during the year |
| 1951                    | 326                                      | 1,236                                       |
| 1952                    | 339                                      | 992   |
| 1953                    | 463                                      | 1,149                                       |

| POST-NATAL EXAMINATIONS |  |   |
|-------------------------|--|---|
| Year                    | Number of women who attended during year | Total number of attendances during the year |
| 1951                    | 171                                      | 189   |
| 1952                    | 193                                      | 242   |
| 1953                    | 183                                      | 188   |

For those women unable to attend these clinics or who had made arrangements to have their confinements at home, the necessary supervision was provided by the Local Authority, the District Nurse giving the required guidance under the direction of the family doctors. The number of expectant mothers visited during the year by the District Nursing Sisters was 697, the all-over number of visits being 4,291.

#### MIDWIFERY SERVICES.

Particulars of the births notified as having occurred in Inverness County during 1953 and of those which were notified as transfers-in after correction for mother's residence are given in this Section of the Report. A study of these particulars will give an indication of the kind of service being provided.

Hospital beds were made available for all cases where admission to hospital was considered advisable on obstetrical grounds and for those women who arranged to have their confinements at home, maternity outfits numbering in all 389 for the year, were supplied through the District Nursing Sisters.

As from 26th October, 1953 changes became operative in the cash maternity benefits payable under the National Insurance Scheme. The new allowances now include a home confinement grant of £3 to be paid in respect of confinements occurring at home or at the home of a friend or relative and also in respect of other confinements where the cost of accommodation and maintenance does not fall to be met out of public funds. It is expected that this new grant will encourage women to make arrangements to have their confinements at home, thereby to some extent relieving the heavy demand for hospital bookings. Linked up with the payment of this new grant, the domestic assistance made available through the Local Authority's Home Help Scheme to households where a confinement is expected is an added inducement in favour of the home confinement.

The total number of births, live and still, notified as occurring in the County during the year before correction for mother's residence was 433, classified as follows:-

- (i) Total number of births:-  
     Live Births..... 425      Still Births..... 8      Total.....433
- (ii) Total number of births in (i) occurring in Institutions  
     Live Births..... 113      Still Births..... 2      Total.....115

(iii) Total number of births in (i) occurring at home

Live Births..... 312      Still Births..... 6      Total.....318

(iv) Number of births in (iii) classified to show nature of attendance at birth:-

| (1)  | Cases dealt with under Section 23(2) of the National Health Service (Scotland) Act, 1947 |  |                                    | Other Domiciliary Cases     |                                    |                            |                  | Total. |
|--|--|--|------------------------------------|-----------------------------|------------------------------------|----------------------------|------------------|--------|
|  | Doctor engaged and present at confinement.   | Doctor engaged and not present at confinement. | Midwife alone (no doctor engaged). | Doctor and Midwife engaged. | Midwife alone (no doctor engaged). | Without Doctor or Midwife. | All other cases. |        |
| (2)  | (3)  | (4)  | (5)                                | (6)                         | (7)                                | (8)                        | (9)              |        |
| (a) Midwives employed by the Authority (including those engaged on a fee-per-case basis)   | 267  | 48   | -                                  | -                           | -                                  | -                          | -                | 315    |
| (b) Midwives employed by Voluntary Organisations under arrangements made by the Authority  | -  | -  | -                                  | -                           | -                                  | -                          | -                | -      |
| (c) Midwives employed by Hospital Boards of Management under arrangements made by the Authority with the Regional Hospital Board | -  | -  | -                                  | -                           | -                                  | -                          | -                | -      |
| (d) Private practising Midwives  | -  | -  | -                                  | 3                           | -                                  | -                          | -                | 3      |
| (e) Other cases not classified above   | -  | -  | -                                  | -                           | -                                  | -                          | -                | -      |
| (f) Totals.....  | 267  | 48   | -                                  | 3                           | -                                  | -                          | -                | 318    |

The District distribution of these 433 births is set out as follows:-

#### District Distribution

|              | Inverness | Aird | Badenoch | Lochaber | Skye | Harris | North Uist | South Uist | Barra | Total |
|--------------|-----------|------|----------|----------|------|--------|------------|------------|-------|-------|
| Live Births  | 44        | 35   | 29       | 79       | 100  | 50     | 25         | 44         | 19    | 425   |
| Still Births | 2         | 1    | -        | 2        | 1    | 1      | -          | -          | 1     | 8     |

Details of the 115 Hospital confinements included in this total of 433 are:-

| <u>Hospital Confinements.</u>        |             |              |
|--------------------------------------|-------------|--------------|
|                                      | Live Births | Still Births |
| John Martin Hospital, Uig, Skye..... | 83          | 1            |
| Broadford Hospital, Skye.....        | 2           | -            |
| Maternity Unit, Fort George.....     | 12          | 1            |
| Lochmaddy Hospice, North Uist.....   | <u>16</u>   | <u>-</u>     |
|                                      | <u>113</u>  | <u>2</u>     |

Births notified as having occurred in hospitals and Nursing Homes outwith the County, but due to be transferred into the County after correction for mother's residence, numbered 504, detailed as follows:-

|   |            |
|---|------------|
| Maternity Unit, Raigmore Hospital, Inverness..... | 399        |
| Ian Charles Hospital, Grantown-on-Spey.....       | 39         |
| Lewis Hospital, Stornoway.....                    | 17         |
| Glasgow Royal Maternity Hospital.....             | 12         |
| Glencoe Maternity Hospital, Ballachulish.....     | 12         |
| Nairn Town and County Hospital.....               | 7          |
| Southern General Hospital, Glasgow.....           | 4          |
| Peterkin Nursing Home, Dingwall.....              | 3          |
| Aberfeldy Cottage Hospital.....                   | 3          |
| Robroyston Hospital, Glasgow.....                 | 2          |
| Ross Memorial Hospital, Dingwall.....             | 1          |
| Ayrshire Central Hospital.....                    | 1          |
| Westbay Nursing Home, Broughty Ferry.....         | 1          |
| St. Johnstoun's Nursing Home, Perth.....          | 1          |
| Struan Lodge Maternity Hospital, Dunoon.....      | 1          |
| City Maternity Hospital, Carlisle.....            | <u>1</u>   |
| Total.....  | <u>504</u> |

The District distribution of these 504 births is set out in the following table:-

| District                              | Inverness | Aird | Badenoch | Lochaber | Skye | Outer Islands | Total |
|---------------------------------------|-----------|------|----------|----------|------|---------------|-------|
| Raigmore Hospital.....                | 90        | 98   | 42       | 117      | 37   | 15            | 399   |
| Ian Charles Hospital..                | -         | -    | 39       | -        | -    | -             | 39    |
| Lewis Hospital.....                   | -         | -    | -        | -        | -    | 17            | 17    |
| Glasgow Royal Maternity Hospital..... | -         | -    | -        | -        | -    | 12            | 12    |
| Glencoe Maternity Hospital.....       | -         | -    | -        | 12       | -    | -             | 12    |
| Nairn Town and County Hospital.....   | 5         | 2    | -        | -        | -    | -             | 7     |
| Glasgow Southern General Hospital.... | -         | -    | -        | -        | -    | 4             | 4     |
| Other Hospitals.....                  | -         | 7    | 1        | 3        | 1    | 2             | 14    |
| Totals.....                           | 95        | 107  | 82       | 132      | 38   | 50            | 504   |

Of the total 937 births notified to the Public Health Department as having occurred during the year, 619 took place in hospital and 318 were domiciliary confinements, being 66% and 34% respectively. These percentages for 1953 have worked out in the same proportions as in 1952.

### ADMINISTRATION OF ANALGESICS.

As in 1951 and 1952, during 1953 the number of District Nursing Sisters qualified to administer gas and air analgesics in their capacity as domiciliary midwives, remained at 54, with 53 sets of apparatus in use.

Gas and air was administered in 95 cases and pethidine in 107 cases. In the former, a doctor was present in 78 cases and in the latter in 89 cases.

These numbers for 1953 show an increase over the corresponding figures for 1952.

### MIDWIVES ACT.

One midwife intimated her intention to practise privately during the year and was in attendance at three cases - two in Inverness District and one in Aird District.

### NURSING HOMES.

There are no Nursing Homes registered as Maternity Homes in the County.

### MOTHER AND BABY HOMES.

As stated in the last Annual Report, two girls with home residence normally in the County of Inverness, were admitted to the Aberdeen Mother and Baby Home during 1952. One girl was discharged in July of that year while the other girl, for whom it was necessary to provide accommodation for a longer period than is usual, was still in residence until April, 1953. In addition, a further case was admitted and discharged during 1953. The total period of residence for these three cases covered approximately 76 weeks.

It was decided by the Health and Welfare Committee in May, 1953, that a donation of £20 be given towards the balance outstanding in respect of the maintenance of the girl admitted and discharged during 1952. A decision in regard to the payment of a donation towards the maintenance of the other two cases was deferred as various aspects of the matter were still under consideration at the end of 1953.

### DENTAL CARE OF EXPECTANT MOTHERS AND PRE-SCHOOL CHILDREN.

It was still not found possible during 1953 to provide a dental service for expectant mothers and pre-school children. Although the staffing position improved with the appointment of a Chief Dental Officer who took up duty in March, 1953, even so it was necessary to devote the time wholly to the School Dental Service.

### PUERPERAL FEVER AND PUERPERAL PYREXIA.

Two cases of puerperal pyrexia were notified to the Medical Officer of Health during the year. Both patients were treated in hospital.

### MATERNAL DEATHS.

It is gratifying to be able to record that there were no maternal deaths in the County of Inverness during 1953. The position over the past five years compares favourably with that for Scotland as a whole, the rates being as follows:-



|                       | Rate per 1,000 total Births, Live and Still |      |      |      |      |
|-----------------------|---|------|------|------|------|
|                       | 1949  | 1950 | 1951 | 1952 | 1953 |
| Inverness County..... | 1.9   | nil  | nil  | 1.02 | nil  |
| Scotland.....         | 1.3   | 1.1  | 1.1  | 1.0  | 0.9  |

### CHILD HEALTH AND WELFARE.

#### CHILD WELFARE CLINICS.

The useful work done at the Lochaber clinics and at the clinic for the children of army personnel at Fort George continued as in previous years, the attendances being classified in the following table.

|  | No. of Clinics <sup>+</sup> provided at end of year | No. of Children attending the clinics during year and who on the date of their first attendance this year were:- |                    | Total No. of attendances made during year by children who at the time of attendance were:- |                    |
|--|---|--|--------------------|--|--------------------|
|  |   | Under 1 year of age  | Over 1 year of age | Under 1 year of age  | Over 1 year of age |
| Local Health Authority Clinics                   | Two   | 144  | 64                 | 1,168  | 651                |
| Clinics provided by Voluntary Organisations..... | One   | 37   | 53                 | 98   | 112                |

<sup>+</sup> "Clinics" means Clinic premises, not sessions.

#### HOME VISITATIONS.

The supervision of the pre-school child for whom no clinic facilities are available forms a regular part of the duties of the District Nursing Sisters in their capacity as Health Visitors.

The visits paid over the year are set out in the following table. The figures include visits paid to children whose usual residence at birth was within the County as well as to the children who have been transferred into the County from other areas. In all, records of 186 children were transferred to Inverness County from other authorities while 67 children were transferred from one address to another within the County, supervision being continuous in all cases. Records were transferred elsewhere in respect of 147 children who removed outwith the County.

#### HOME VISITATIONS OF PRE-SCHOOL CHILDREN.

| Children under 1 year of age |              | Children between 1 and 5 years of age |              |
|------------------------------|--------------|---------------------------------------|--------------|
| Number visited               | Total visits | Number visited                        | Total visits |
| 832                          | 8,298        | 572                                   | 9,017        |

## DAY NURSERIES.

There are no day nurseries in the County of Inverness.

## RESIDENTIAL NURSERIES AND CHILDREN'S HOMES.

Rosedene, Inverness, which was purchased in 1952 with a view to its adaptation as a Children's Home, was formally opened with appropriate staff and accommodation for 20 children on 27th July, 1953. Up to the end of the year, 13 children had been admitted.

Although the Home is administered under the Children Act, it is intended to admit children under Sections 22 and 27 of the National Health Service (Scotland) Act, 1947, as the need arises.

During 1953 accommodation was provided in the Seaforth Home, Maryburgh, Ross-shire, for seven children from the County. Two of these children were admitted under Section 22 and the other five children under Section 27 of the National Health Service Act.

## OPHTHALMIA NEONATORUM.

No cases of Ophthalmia Neonatorum were notified to the Medical Officer of Health during the year.

## INFANT DEATHS.

The number of children under one year of age who died during 1953 was 31, being 13 males and 18 females. This number is equivalent to a rate of 32 per 1,000 live births. The 1953 rate for Scotland as a whole is 31 while the fluctuations over the ten-year period from 1944-1953 is illustrated by the graph on page 15. It will be notified that only on two occasions - 1950 and 1953 - has the rate for the County shown an increase - and a very slight one - over the rate for all Scotland.

The causes of death of these 31 children are set out in age groups in the following table:-

Causes of Death among Children under 1 year of age.

| Cause of Death                               | Under 1 week. | 1 and under 2 wks. | 2 and under 3 wks. | 3 and under 4 wks. | Total under 4 wks. | 4 weeks and under 3 months. | 3 months and under 6 months. | 6 months and under 9 months. | 9 months and under 12 months. | Total under 12 months. |
|--|---------------|--------------------|--------------------|--------------------|--------------------|-----------------------------|------------------------------|------------------------------|-------------------------------|------------------------|
| Prematurity.....                             | 7             | -                  | 1                  | 1                  | 9                  | -                           | -                            | -                            | -                             | 9                      |
| Atelectasis.....                             | 5             | -                  | -                  | -                  | 5                  | -                           | -                            | -                            | -                             | 5                      |
| Icterus Neonatorum.....                      | 1             | -                  | -                  | -                  | 1                  | -                           | -                            | -                            | -                             | 1                      |
| Melaena Neonatorum.....                      | 1             | -                  | -                  | -                  | 1                  | -                           | -                            | -                            | -                             | 1                      |
| Asphyxia Pallida.....                        | 1             | -                  | -                  | -                  | 1                  | -                           | -                            | -                            | -                             | 1                      |
| Cerebral Haemorrhage.....                    | 2             | -                  | -                  | -                  | 2                  | -                           | -                            | -                            | -                             | 2                      |
| Pneumonia (including Broncho-Pneumonia)..... | -             | -                  | -                  | -                  | -                  | 2                           | 1                            | 1                            | -                             | 4                      |
| Acute Leukaemia.....                         | -             | -                  | -                  | -                  | -                  | 1                           | -                            | -                            | -                             | 1                      |
| Fibro-cystic Disease of the Lung.....        | -             | -                  | -                  | -                  | -                  | 1                           | -                            | -                            | -                             | 1                      |
| Inhalation of Vomit.....                     | -             | -                  | -                  | -                  | -                  | -                           | 1                            | -                            | -                             | 1                      |
| Haemorrhage from Stomach and Nephritis.....  | -             | -                  | -                  | -                  | -                  | -                           | -                            | 1                            | -                             | 1                      |
| Blood Dyscrasia.....                         | -             | -                  | -                  | -                  | -                  | -                           | -                            | 1                            | -                             | 1                      |
| Acute Ulceration of Stomach.                 | -             | -                  | -                  | -                  | -                  | -                           | -                            | 1                            | -                             | 1                      |
| Thrombocytopenic Purpura....                 | -             | -                  | -                  | -                  | -                  | -                           | 1                            | -                            | -                             | 1                      |
| Accidental Suffocation.....                  | -             | -                  | -                  | -                  | -                  | -                           | 1                            | -                            | -                             | 1                      |
|  | 17            | -                  | 1                  | 1                  | 19                 | 4                           | 4                            | 4                            | -                             | 31                     |

An analysis of the table shows that 19 of these infants, equivalent to approximately 61%, died within the first four weeks of life. This figure of 19 represents a neo-natal mortality rate of 20 per 1,000 live births. 14 of these infants died in hospital. Of the 12 children who survived the first four weeks of life, 7 died in hospital and 5 at home.

#### MORTALITY IN PRE-SCHOOL CHILDREN.

During the year, four deaths occurred among children between the ages of 1 and 5 years. These deaths were not due to accidents.

#### Infant Death Rates per 1,000 Live Births, 1944-1953.

County of Inverness —————  
Scotland - - - - -



REPORT ON CHILD HEALTH BY THE SCOTTISH HEALTH SERVICES COUNCIL.

Memorandum from the Medical Officer of Health.

As the Committee have now had an opportunity of studying the Report on Child Health by the Scottish Health Services Council, I would draw its attention to the Summary of Recommendations on Page 19. Quite a number of the recommendations are the concern of the Hospital and Specialist Service and I do not propose to deal with them but to concentrate on the recommendations which are of importance to the Local Health Authority.

The Ante-Natal Period

(i) In domiciliary practice, there should be close co-operation between doctor and midwife and health visitor, where the last is not also the midwife. At ante-natal consultations the midwife should be in attendance.

In so far as this area is concerned, the district nurse is both midwife and health visitor. The co-operation with the general practitioner is generally good but inquiry might be made as to how often the midwife is in attendance at ante-natal consultations.

(ii) In some rural areas there may be room for more development of consultation clinics at which the general practitioner, the midwife and the obstetric consultant should be present.

The only areas in the County which might lend themselves to this recommendation are Lochaber and possibly Skye and consideration might be given to developing the consultation clinics referred to.

(iii) General practitioners should encourage their patients to attend clinics where instruction in the preparation of the breasts and in mothercraft are available.

Instruction of this nature is given at the ante-natal clinics held weekly at Raigmore Hospital and at the Belford Hospital, Fort William, and as the majority of mothers booked for confinement in Raigmore Hospital attend these clinics they are in fact receiving this instruction. In addition, they also receive instruction in their own homes from the District Nursing Sisters whether booked for confinement in hospital or not.

(iv) In hospital as well as in local authority ante-natal clinics a health visitor with the special duty of giving instruction in these subjects should be in attendance, unless provision is otherwise made, and the services of a dietitian, to advise on maternal diet, would be an advantage where this can be arranged.

There are no local authority ante-natal clinics in the area, and it is not practicable for the District Nursing Sisters who also act as Health Visitors to attend hospital clinics. The hospital authorities might be in a position to arrange for the services of a dietitian at their clinics.

The Neo-Natal Period

(i) Special records should be kept of the condition of newly born infants, whether born in hospital or at home.

Records are in fact in use in this area for this purpose.

(ii) There should be close liaison between maternity units, general practitioners and Local Health Authorities, so that there is no gap in continuity of supervision of infants on their discharge from hospital.



In this area satisfactory co-ordination has been achieved. When a case is discharged from the Raigmore Maternity Unit where the big proportion of births take place, the Medical Officer of Health and the family doctor are notified by letter and the mother is given a card with particulars of her case and instructed to contact the district nurse on her arrival home. When special circumstances necessitate urgent nursing attention, the Maternity Unit either notifies the County Nursing Superintendent or the district nurse for the area direct.

(iii) The midwife engaged in domiciliary work should be able to detect conditions in the infant requiring medical attention.

Midwives in the County satisfy this requirement.

(x) The Local Health Authority should keep a number of nurses specially trained in the care of premature infants to ensure prompt attendance in all cases.

All District Nursing Sisters are trained in the care of premature infants and extra nursing care is given where required. Experience so far has not indicated the necessity for keeping a number of nurses specially trained and set aside for the care of premature infants. In cases where the family doctor considers it necessary, the infants are admitted to hospital.

(xi) Before discharge from hospital, steps should be taken to ensure that home conditions are reasonably satisfactory and that the mother is instructed in infant care.

With regard to the second recommendation it can be safely assumed that mothers are instructed in infant care before discharge from hospital. No approach is made to the Local Authority by the Hospital Authorities regarding investigation of home conditions.

#### The Child from One Month to a Year

(ii) Child welfare medical officers could usefully have more experience in clinical paediatrics; they could be attached to the out-patient departments and wards of children's hospitals.

This recommendation is an excellent one and should be given effect to if circumstances permit. The determining factor will be the time available for such attendances.

(iii) Every effort should be made to encourage immunisation.

This is being constantly done.

#### The Pre-School Child

(i) More advantage should be taken of the child welfare services by children of this age. More of the health visitors' time should be available for the care of these children.

In an area such as the County of Inverness most of the child welfare work is carried out in the child's home by the District Nursing Sisters. The appointment of whole-time Health Visitors would enable the District Nursing Sisters to devote more time to this important aspect of their work but the Committee have not seen their way to do so at this stage.

(ii) Day nurseries are necessary for certain categories of children.

I do not think that there is the need for these in an area with such a scattered population as the County of Inverness.

(iii) Local Health Authorities' child welfare services should include the mental care of the child.

For the present I find that the situation can be met by referring any child with behaviour difficulty to the Mental Health Specialists of the Regional Hospital Board.

#### The Child of School Age

(i) A separate chief executive school medical officer should be nominated in the more populous counties.

The Report does not specify the population which demands a separate chief executive school medical officer. I consider that for the present the arrangement in force in this area whereby the Medical Officer of Health is Chief School Medical Officer should continue.

(ii) There should be an annual classroom inspection of all children who do not receive routine medical inspection during the year.

In this area there is the "march-past" inspection of all children who do not receive routine inspection, mostly for the purpose of determining the degree of infestation, but the opportunity is taken to note any more serious defects.

(iii) There should be closer collaboration between the school doctor, the general practitioner and the specialist.

A good measure of collaboration has been achieved in this area.

(iv) Consideration should be given to the extent to which greater responsibility can be given to school nurses, and adequate clerical assistance should be provided for both medical and nursing staff.

I do not think that greater responsibility can be given to the three whole-time school nurses at this stage. Certainly nothing can be done in so far as the part-time school nurses throughout the County are concerned as, being district nursing sisters, they have their other commitments.

The clerical assistance provided in the Public Health Department is not adequate.

(v) Child guidance schemes should be extended and developed along suitable lines as an integral part of the school health service.

With the assistance of Dr. Whittet and his staff at Craig Dunain Hospital there is the nucleus of a child guidance clinic in this area. It is hoped that consideration will be given to the appointment of an Educational Psychologist at an early date. Such a person would make a valuable contribution to the child guidance scheme.

(vi) There should be more extended use of audiometric testing.

This has already been under review and provision is made in the estimates for the acquisition of suitable audiometric equipment. I would recommend that an approach be made to the Ear, Nose and Throat Specialist as regards the most suitable apparatus, and that the services of the Hospital Audiometrician on a part-time basis be discussed.

(vii) The school medical officer should play an important part in vocational guidance.

This is a recommendation that might be explored but one must sound a note of caution as it may well be that the school medical officer is not in a position to devote much time to this work having regard to his other commitments.

(viii) The school medical officer should be afforded time and opportunity to play an active part in health education in schools.

Although in complete agreement with this recommendation, I doubt if our present complement of staff can afford the time. The three whole-time school nurses are giving systematic instruction in the principles of healthy living in the primary schools of the Burgh at the present time.

(ix) There is need for long-stay accommodation with adequate educational facilities for certain groups of children suffering from prolonged ailments.

In so far as this area is concerned children whose ailments necessitate a prolonged stay in Raigmore Hospital have the services of a teacher provided by the Education Authority.

#### The Hospital and Specialist Services

(v) There should be interchange between clinical paediatricians and medical officers carrying out child welfare work.

The Regional Hospital Board are at present in the process of appointing a Consultant Paediatrician. Once the appointment is made an attempt will be made to give effect to this recommendation.

#### The Integration of the Child Health Services

(i) In populous areas, the child welfare clinic is essential.

At present the clinics are confined to the Lochaber area but extension to other areas is under consideration.

(ii) The co-operation of the consultant paediatricians should be enlisted in the work of the welfare centres and their numbers increased.

This will be explored when the appointment of the consultant paediatrician already referred to is made.

(iii) The health visitors should play an important part in securing proper liaison between all parts of the National Health Service in relation to children, and their numbers should be increased where necessary.

I agree that Health Visitors as such would play an important part in securing proper liaison between all sections of the National Health Service in relation to children. As already mentioned, there are no whole-time Health Visitors in the County.

W. D. WILSON, M.D., D.P.H.,  
Medical Officer of Health.

9th November, 1953.

### H O M E   N U R S I N G .

At the end of 1953 the nursing establishment comprised 58 nurses including 5 relief nurses with 48 cars in use. During the year the District Nursing Sisters attended 11,954 patients in their own homes, with a total number of 101,154 visits. These figures are exclusive of visits paid by the nurses in connection with their duties under Midwifery, Child Health and Welfare, Tuberculosis and the Home Help Scheme.

70 articles of medical equipment were on loan to those patients requiring help in this way.

### H O M E   H E L P   S C H E M E .

The Home Help Scheme continued to expand during 1953 and, from its commencement in 1950 up to the end of 1953, domestic help had been provided for a total of 80 households. The need for the provision of such help was established in all cases on the lines indicated in the 1952 Report, the co-operation of the District Nursing Sisters proving invaluable. In all 156 visits were paid by them during the year to applicants under the Scheme.

The district distribution and the categories into which these 80 households fall are set out below. Again it will be seen that almost 50% of the cases are in categories (d) and (e), namely, Chronic Sick and Aged Persons.

| District                   | Inverness | Aird | Badenoch | Lochaber | Skye | Outer Islands | Total |
|----------------------------|-----------|------|----------|----------|------|---------------|-------|
| No. of Home Helps provided | 10        | 5    | 7        | 11       | 14   | 33            | 80    |

| Categories of Applicants.   | Number of Households. |
|---|-----------------------|
| (a) A person who is ill.....  | 24                    |
| (b) An expectant mother or lying-in mother.....   | 14                    |
| (c) A mentally defective person.....  | 1                     |
| (d) A chronic sick person.....  | 13                    |
| (e) An aged person.....   | 26                    |
| (f) A child not over school age within the meaning of the Education (Scotland) Act, 1946..... | 2                     |

The following table sets out the yearly distribution of these 80 cases, 4 of which finished in 1951, 21 in 1952 and 32 during 1953, leaving 23 households on the Register to be carried forward into 1954.

### YEARLY DISTRIBUTION.

| Year | Cases Commenced | Cases Finished | Cases carried forward to following year |
|------|-----------------|----------------|---|
| 1950 | 1               | -              | 1                                       |
| 1951 | 7               | 4              | 4                                       |
| 1952 | 35              | 21             | 18                                      |
| 1953 | 37              | 32             | 23                                      |

The imposition of a minimum charge on all applicants - fixed at 1/6d per day as from 29/11/52 - was reconsidered during 1953 and it was agreed that, as from 13/7/53, this daily minimum charge be increased to 2/-.



As most of the cases where the minimum charge is applicable are persons in receipt of National Assistance Allowances, all area officers of the Board were informed of the increase and asked to co-operate by granting a corresponding increase in the allowances already being paid, thus making the change-over to the payment of the new rate as smooth as possible.

In the section of this Report dealing with Midwifery Services reference has been made to the new Home Confinement Grant of £3 which became payable as from 26/10/53 and intended "to meet the extra expense where the baby is born elsewhere than in hospital accommodation provided at the public cost". It was agreed that where a home help was granted to a household under such circumstances, a minimum charge of £1 per week be levied for the first three weeks following the birth.

Although a few cases have had eventually to be reported to the Health and Welfare Committee because of non-payment of contributions, on the whole remittances are being sent in regularly and this side of the Scheme is working satisfactorily.

## V A C C I N A T I O N   A N D   I M M U N I S A T I O N .

### GENERAL.

The statistical Returns relating to vaccination against smallpox and immunisation against diphtheria and whooping cough are set out under separate headings, the work in this Section being carried out on the same lines as formerly, the General Practitioners and School Medical Officers participating, with a proportion of the children in the Lochaber area being vaccinated and immunised at the local clinics.

There was no smallpox scare during the year, consequently no mass vaccinations were necessary. No cases of complication arising as a result of vaccination were reported to the Public Health Department.

### VACCINATION.

The following tables set out details of the vaccination and re-vaccination records submitted during 1953. The majority of these records are sent in by the general practitioners while, of the 314 children of pre-school age primarily vaccinated 65 or approximately 21% were done at the Lochaber clinics. No vaccinations against smallpox are at any time carried out under the School Medical Service.

| Number of Persons Primarily Vaccinated during the Period. |  |  |                                  |                   |
|---|--|--|----------------------------------|-------------------|
| Year of Birth   | Typical vaccinia greatest at 7-10th day. | Accelerated (vaccinoid) reaction 5-7th day | Reaction greatest at 2nd-3rd day | No Local Reaction |
| 1953  | 143                                      | 5  | -                                | 12                |
| 1952  | 109                                      | 2  | -                                | 11                |
| 1951  | 16                                       | 3  | -                                | -                 |
| 1950  | 9  | -  | -                                | -                 |
| 1949  | 1  | -  | -                                | -                 |
| 1948  | 3  | -  | -                                | -                 |
| 1947  | -  | -  | -                                | -                 |
| 1946  | -  | -  | -                                | -                 |
| 1945  | 1  | -  | -                                | -                 |
| 1944  | -  | -  | -                                | -                 |
| 1943  | -  | -  | -                                | -                 |
| 1942  | -  | -  | -                                | -                 |
| 1941  | 1  | -  | -                                | -                 |
| 1940  | -  | -  | -                                | -                 |
| 1939  | -  | -  | -                                | -                 |
| 1938 or earlier   | 6  | -  | -                                | -                 |
| Totals  | 289                                      | 10   | -                                | 23                |

| Number of Persons re-vaccinated during the Period. |   |  |                                  |                   |
|--|---|--|----------------------------------|-------------------|
| Year of Birth                                      | Typical vaccinia greatest at 7-10th day | Accelerated (vaccinoid) reaction 5-7th day | Reaction greatest at 2nd-3rd day | No Local Reaction |
| 1953   | -                                       | -  | -                                | -                 |
| 1952   | -                                       | -  | -                                | -                 |
| 1951   | -                                       | -  | -                                | -                 |
| 1950   | -                                       | -  | 1                                | -                 |
| 1949   | -                                       | -  | 1                                | -                 |
| 1948   | 1                                       | -  | -                                | 1                 |
| 1947   | 2                                       | -  | -                                | -                 |
| 1946   | -                                       | -  | 1                                | -                 |
| 1945   | -                                       | -  | -                                | -                 |
| 1944   | -                                       | -  | -                                | -                 |
| 1943   | -                                       | -  | 1                                | -                 |
| 1942   | -                                       | 1  | -                                | -                 |
| 1941   | -                                       | -  | 1                                | -                 |
| 1940   | 1                                       | -  | -                                | -                 |
| 1939   | -                                       | 1  | -                                | -                 |
| 1938   | 14                                      | 8  | 21                               | 3                 |
| or earlier   |   |  |                                  |                   |
| Totals   | 18                                      | 10   | 26                               | 4                 |

#### DIPHTHERIA IMMUNISATION AND COMBINED DIPHTHERIA AND WHOOPING COUGH IMMUNISATION.

A combined table giving records of immunisations carried out against diphtheria and diphtheria-whooping cough is set out below. These figures represent work done

- (a) by General Practitioners
- (b) at the Local Authority Clinics
- (c) by School Medical Officers.

On page 24 this table is further analysed under these headings. In the main the combined diphtheria-whooping cough immunisations were carried out by the general practitioners in the area. Of those children who received a full course of immunisation against diphtheria alone, approximately 56% of the work was done under the School Medical Service, 35% by the general practitioners and 9% at the Lochaber Child Welfare Clinics. With a very few exceptions maintenance inoculations were carried out under the School Medical Service.

| Year<br>of<br>Birth | Full Course |                                     |       | Maintenance |                                     |       |
|---------------------|-------------|-------------------------------------|-------|-------------|-------------------------------------|-------|
|                     | Diphtheria  | Diphtheria<br>and<br>Whooping Cough | Total | Diphtheria  | Diphtheria<br>and<br>Whooping Cough | Total |
|                     | 1           | 2                                   | 3     | 4           | 5                                   | 6     |
| 1953                | 7           | 7                                   | 14    | -           | -                                   | -     |
| 1952                | 88          | 133                                 | 221   | -           | -                                   | -     |
| 1951                | 61          | 61                                  | 122   | -           | -                                   | -     |
| 1950                | 49          | 28                                  | 77    | -           | -                                   | -     |
| 1949                | 38          | 25                                  | 63    | 3           | 1                                   | 4     |
| 1948                | 25          | 19                                  | 44    | 106         | -                                   | 106   |
| 1947                | 182         | 3                                   | 185   | 191         | 1                                   | 192   |
| 1946                | 85          | -                                   | 85    | 26          | 1                                   | 27    |
| 1945                | 11          | -                                   | 11    | 11          | -                                   | 11    |
| 1944                | 6           | -                                   | 6     | 4           | -                                   | 4     |
| 1943                | 8           | -                                   | 8     | 5           | -                                   | 5     |
| 1942                | 4           | -                                   | 4     | 4           | -                                   | 4     |
| 1941                | 4           | -                                   | 4     | 1           | -                                   | 1     |
| 1940                | -           | -                                   | -     | 1           | -                                   | 1     |
| 1939                | 1           | -                                   | 1     | 3           | -                                   | 3     |
| 1938                | -           | -                                   | -     | 2           | -                                   | 2     |
| or earlier          | -           | -                                   | -     | -           | -                                   | -     |
| Totals              | 569         | 276                                 | 845   | 357         | 3                                   | 360   |

Details of Diphtheria and Diphtheria-Whooping Cough Inoculations.

| Year of Birth | Full Course                       |                        |                           |                                   | Maintenance            |       |                                   |                        |
|---------------|-----------------------------------|------------------------|---------------------------|-----------------------------------|------------------------|-------|-----------------------------------|------------------------|
|               | Diphtheria                        |                        | Diphtheria-Whooping Cough |                                   | Diphtheria             |       | Diphtheria-Whooping Cough         |                        |
|               | General Practitioners and Clinics | School Medical Service | Total                     | General Practitioners and Clinics | School Medical Service | Total | General Practitioners and Clinics | School Medical Service |
| 1953          | 7                                 | -                      | 7                         | 7                                 | -                      | 7     | -                                 | -                      |
| 1952          | 86                                | 2                      | 88                        | 133                               | -                      | 133   | -                                 | -                      |
| 1951          | 58                                | 3                      | 61                        | 61                                | -                      | 61    | -                                 | -                      |
| 1950          | 45                                | 4                      | 49                        | 28                                | -                      | 28    | -                                 | -                      |
| 1949          | 33                                | 5                      | 38                        | 25                                | -                      | 25    | 1                                 | -                      |
| 1948          | 13                                | 12                     | 25                        | 19                                | 2                      | 19    | 1                                 | -                      |
| 1947          | 5                                 | 177                    | 182                       | 3                                 | 104                    | 106   | -                                 | -                      |
| 1946          | 1                                 | 84                     | 85                        | 4                                 | 187                    | 191   | 1                                 | -                      |
| 1945          | 1                                 | 10                     | 11                        | 1                                 | 25                     | 26    | -                                 | -                      |
| 1944          | 1                                 | 5                      | 6                         | -                                 | 11                     | 11    | -                                 | -                      |
| 1943          | -                                 | 8                      | 8                         | -                                 | 4                      | 4     | -                                 | -                      |
| 1942          | -                                 | 4                      | 4                         | -                                 | 5                      | 5     | -                                 | -                      |
| 1941          | -                                 | 4                      | 4                         | -                                 | 4                      | 4     | -                                 | -                      |
| 1940          | -                                 | -                      | -                         | -                                 | 1                      | 1     | -                                 | -                      |
| 1939          | -                                 | 1                      | 1                         | -                                 | 1                      | 1     | -                                 | -                      |
| 1938          | -                                 | -                      | -                         | -                                 | 3                      | 3     | -                                 | -                      |
| or earlier    | -                                 | -                      | -                         | 2                                 | -                      | 2     | -                                 | -                      |
| Totals        | 250                               | 319                    | 569                       | 276                               | 347                    | 357   | 2                                 | 3                      |

## PREVENTION OF ILLNESS, CARE AND AFTER CARE.

### TUBERCULOSIS.

#### GENERAL.

The position in regard to tuberculosis showed a most gratifying trend during 1953, there being a decided decrease in the number of new notifications. The number of deaths was the same as for 1952. Details of these new notifications and deaths are given under separate paragraphs in this Section.

The Local Authority continued to direct its activities towards controlling the spread of infection by systematic and thorough checking of all tuberculosis contacts and the carrying out of B.C.G. Vaccination in suitable cases.

#### NEW NOTIFICATIONS.

A diagnosis of tuberculosis was confirmed in a total of 54 cases during 1953, showing a decrease of 23 cases in the total of 77 for 1952.

Tables I and II on the following pages group these 54 cases into respiratory and non-respiratory forms with sex and district distribution in Table I and age and sex distribution in Table II.

Table I shows that almost 50% of the new cases notified have their home residence in the Outer Islands. As in previous years the vulnerable age group is 15-35, which accounted in 1953 for 27 new notifications or exactly 50% of the total. Admissions to hospital were again high, being 46 cases, equivalent to 85%.

The incidence rates per 1,000 of the population over a number of years are set out in Table III, while the sharp fall in respiratory tuberculosis during 1953 will be seen from the graph on page 29.

Table IV details those persons resident in the County at 31st December, 1953, who were known to be suffering from tuberculosis, the table being revised and built up every year as indicated in the 1952 Report.

Table 1.

Return of Confirmed Cases of Tuberculosis notified during the year in Sex and District Distribution.

|  | Number of Cases notified as suffering from Tuberculosis |        |          |          |           |              |        |               |          |
|--|---|--------|----------|----------|-----------|--------------|--------|---------------|----------|
|  | Inverness   | Aird   | Badenoch | Lochaber | Kingussie | Fort William | Skye   | Outer Islands | Total    |
| Respiratory.....<br>(Males.....<br>(Females                        | 2<br>-  | 2<br>1 | -<br>-   | 2<br>3   | 1<br>-    | -<br>3       | 1<br>3 | 11<br>8       | 19<br>18 |
| Total  | 2   | 3      | -        | 5        | 1         | 3            | 4      | 19            | 37       |
| Non-Respiratory.....<br>(Males.....<br>(Females                    | 1<br>5  | 2<br>1 | -<br>-   | 1<br>1   | -<br>-    | -<br>-       | -<br>2 | 2<br>2        | 6<br>11  |
| Total  | 6   | 3      | -        | 2        | -         | -            | 2      | 4             | 17       |
| Respiratory and<br>Non-Respiratory.....<br>(Males.....<br>(Females | 3<br>5  | 4<br>2 | -<br>-   | 3<br>4   | 1<br>-    | -<br>3       | 1<br>5 | 13<br>10      | 25<br>29 |
| Grand Total  | 8   | 6      | -        | 7        | 1         | 3            | 6      | 23            | 54       |



Table II.

Return of Confirmed Cases of Tuberculosis notified during the Year in Age and Sex Distribution.

|   | Number of Cases diagnosed as suffering from Tuberculosis |               |                |                 |                 |                 |                 |                 |                |          | Cases removed to hospital | Cases notified in a previous year and removed to hospital for the first time during 1953. |
|---|--|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------|---------------------------|---|
|   | Age Groups   |               |                |                 |                 |                 |                 |                 |                |          |                           |   |
|   | Under 1  | 1 and under 5 | 5 and under 10 | 10 and under 15 | 15 and under 25 | 25 and under 35 | 35 and under 45 | 45 and under 65 | 65 and upwards | Total    |                           |   |
| Respiratory.....<br>(Males<br>(Females                                    | -<br>-   | -<br>-        | -<br>-         | 1<br>2          | 6<br>5          | 5<br>5          | 3<br>5          | 2<br>1          | 2<br>-         | 19<br>18 | 17<br>14                  | 1<br>1  |
| Total   | -  | -             | -              | 3               | 11              | 10              | 8               | 3               | 2              | 37       | 31                        | 2   |
| Non-Respiratory...<br>(Males<br>(Females                                  | -<br>-   | 1<br>1        | -<br>1         | -<br>-          | -<br>3          | 1<br>2          | 1<br>-          | 1<br>3          | 2<br>1         | 6<br>11  | 6<br>9                    | -<br>-  |
| Total   | -  | 2             | 1              | -               | 3               | 3               | 1               | 4               | 3              | 17       | 15                        | -   |
| Respiratory and<br>Non-Respiratory.. (Males<br>Non-Respiratory.. (Females | -<br>-   | 1<br>1        | -<br>1         | 1<br>2          | 6<br>8          | 6<br>7          | 4<br>5          | 3<br>4          | 4<br>1         | 25<br>29 | 23<br>23                  | 1<br>1  |
| Total   | -  | 2             | 1              | 3               | 14              | 13              | 9               | 7               | 5              | 54       | 46                        | 2   |

Table III.

Return of Confirmed Cases of Tuberculosis notified during the Period 1941-1953.

|   | Number of Cases notified during the period 1941-1953 |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|--|------|------|------|------|------|------|------|------|------|------|------|------|------|
|   | 1941   | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 |      |
| Respiratory.....                        | (Males   | 20   | 25   | 38   | 29   | 38   | 36   | 43   | 41   | 36   | 33   | 35   | 29   | 19   |
|   | (Females   | 20   | 29   | 33   | 19   | 29   | 26   | 31   | 35   | 44   | 27   | 24   | 27   | 18   |
|   | Total  | 40   | 54   | 71   | 48   | 67   | 62   | 74   | 76   | 80   | 60   | 59   | 56   | 37   |
|   | Incidence Rate per 1,000.....                        | 0.69 | 0.92 | 1.25 | 0.86 | 1.23 | 1.13 | 1.28 | 1.35 | 1.39 | 1.00 | 1.02 | 0.96 | 0.64 |
| Non-Respiratory.....                    | (Males   | 9    | 15   | 9    | 14   | 5    | 13   | 13   | 14   | 9    | 11   | 12   | 9    | 6    |
|   | (Females   | 7    | 13   | 14   | 12   | 5    | 11   | 8    | 6    | 9    | 9    | 15   | 12   | 11   |
|   | Total  | 16   | 28   | 23   | 26   | 10   | 24   | 21   | 20   | 18   | 20   | 27   | 21   | 17   |
|   | Incidence Rate per 1,000.....                        | 0.27 | 0.48 | 0.41 | 0.46 | 0.18 | 0.43 | 0.36 | 0.36 | 0.31 | 0.33 | 0.47 | 0.36 | 0.29 |
| Respiratory and<br>Non-Respiratory..... | (Males   | 29   | 40   | 47   | 43   | 43   | 49   | 56   | 55   | 45   | 44   | 47   | 38   | 25   |
|   | (Females   | 27   | 42   | 47   | 31   | 34   | 37   | 39   | 41   | 53   | 36   | 39   | 39   | 29   |
|   | Total  | 56   | 82   | 94   | 74   | 77   | 86   | 95   | 96   | 98   | 80   | 86   | 77   | 54   |
|   | Incidence Rate per 1,000.....                        | 0.96 | 1.40 | 1.66 | 1.32 | 1.41 | 1.56 | 1.64 | 1.71 | 1.70 | 1.33 | 1.49 | 1.33 | 0.94 |



Tuberculosis - Incidence Rates per 1,000 of the Population.  
Years 1940-1953.

All Forms ————— Respiratory - - - - - Non-Respiratory - . - . - .

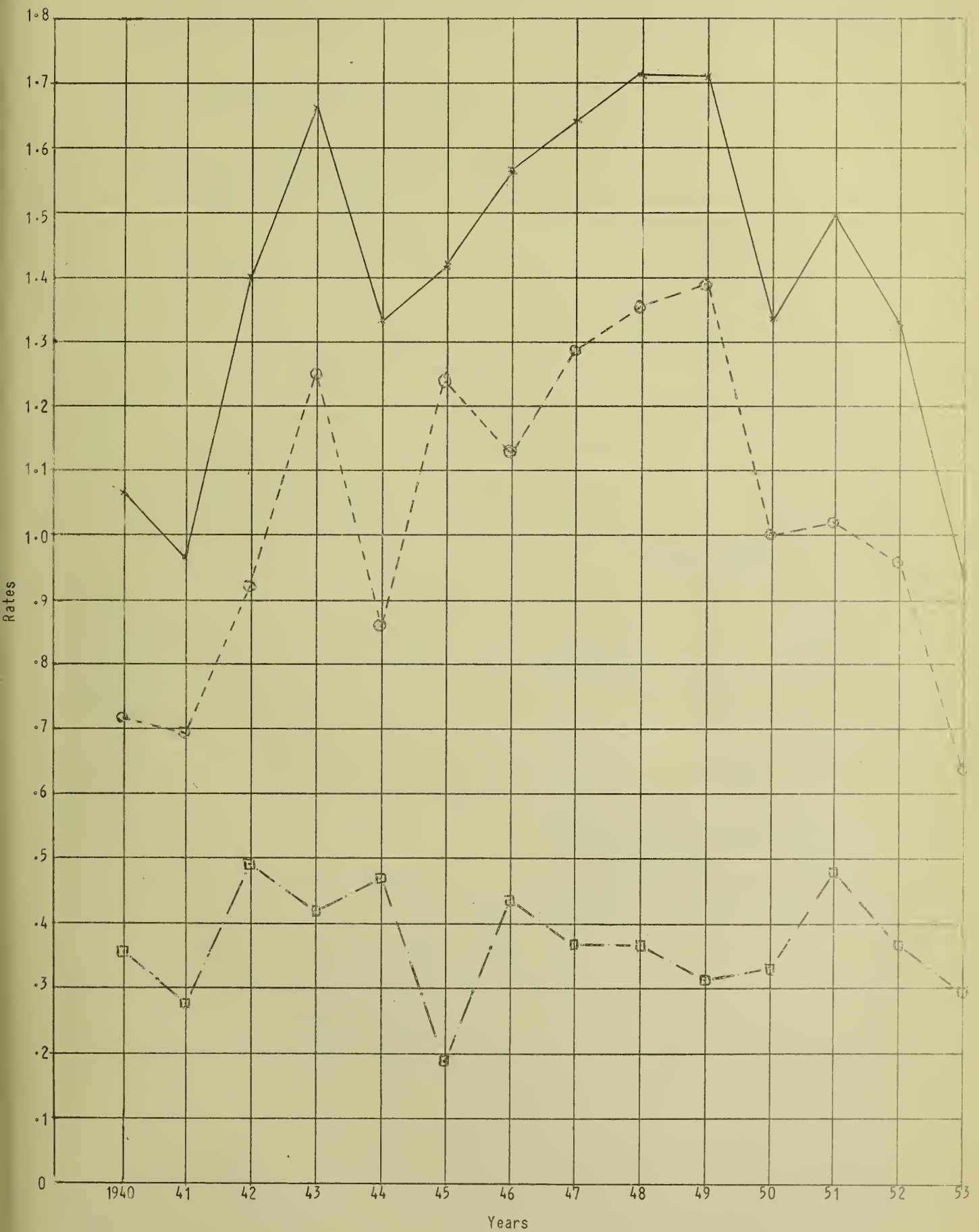


Table IV.

Residents in the County at 31st December, 1953, who were known to be suffering from Tuberculosis.

|  | Number of Cases in Age-Groups |               |                |                 |                 |                 |                 |                 |                |       |
|--|-------------------------------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-------|
|  | Under 1                       | 1 and under 5 | 5 and under 10 | 10 and under 15 | 15 and under 25 | 25 and under 35 | 35 and under 45 | 45 and under 65 | 65 and upwards | Total |
| <u>Respiratory</u>   |                               |               |                |                 |                 |                 |                 |                 |                |       |
| 1. Sputum or other material examined and tubercle bacilli found. (Males)       | -                             | -             | 1              | -               | 31              | 51              | 29              | 21              | 2              | 135   |
| (Females)  | -                             | -             | -              | -               | 33              | 42              | 21              | 8               | -              | 104   |
| 2. Sputum or other material examined and tubercle bacilli never found. (Males) | -                             | -             | 1              | 2               | 17              | 27              | 9               | 9               | 2              | 67    |
| (Females)  | -                             | -             | -              | 2               | 28              | 26              | 7               | 3               | -              | 66    |
| 3. Sputum or other material not examined. (Males)                              | -                             | 3             | -              | 3               | 19              | 15              | 4               | 3               | -              | 47    |
| (Females)  | -                             | 1             | -              | 3               | 22              | 13              | 7               | 3               | -              | 49    |
| Total  | -                             | 4             | 2              | 10              | 150             | 174             | 77              | 47              | 4              | 468   |
| <u>Non-Respiratory</u>   |                               |               |                |                 |                 |                 |                 |                 |                |       |
| 1. Abdominal..... (Males)  | -                             | -             | -              | 3               | -               | 1               | -               | -               | -              | 4     |
| (Females)  | -                             | -             | 1              | -               | 3               | 1               | 3               | -               | -              | 8     |
| 2. Spine..... (Males)  | -                             | 1             | -              | 1               | 3               | 11              | 2               | 1               | 1              | 20    |
| (Females)  | -                             | -             | -              | -               | 2               | 5               | 2               | 3               | -              | 12    |
| 3. Bones and Joints (Exclusive of spine) (Males)                               | -                             | 3             | 4              | 10              | 9               | 9               | 3               | 3               | 1              | 42    |
| (Females)  | -                             | 1             | 3              | 2               | 3               | 9               | 3               | 3               | 3              | 27    |
| 4. Superficial Glands..... (Males)   | -                             | 3             | 2              | 9               | 2               | -               | -               | 1               | -              | 17    |
| (Females)  | -                             | 2             | 7              | 2               | 11              | 2               | -               | 4               | -              | 28    |
| 5. Lupus..... (Males)  | -                             | -             | -              | -               | -               | -               | -               | -               | -              | -     |
| (Females)  | -                             | -             | -              | -               | -               | -               | 1               | -               | -              | 1     |
| 6. Other parts or organs..... (Males)  | -                             | -             | 2              | 1               | 2               | 4               | 1               | 2               | 1              | 13    |
| (Females)  | -                             | -             | 1              | -               | 5               | 4               | 1               | 3               | -              | 14    |
| Total  | -                             | 10            | 20             | 28              | 40              | 46              | 16              | 20              | 6              | 186   |
| Respiratory and Non-Respiratory  | -                             | 14            | 22             | 38              | 190             | 220             | 93              | 67              | 10             | 654   |

## DEATHS.

Deaths from all forms of tuberculosis numbered 11 during 1953, this figure being the same as for 1952. Of these 11 cases, 5 were respiratory deaths and 6 non-respiratory. The death rate for all forms is equivalent to 0.19 per 1,000 of the population and to 0.09 for respiratory deaths. Nine of these deaths occurred in hospital.

Tables (a), (b) and (c) give the sex, age and district distribution of these deaths and grouping in relation to notification and death and discharge from an institution and death.

Table (a)

|  | 1 and<br>under 5 | 15 and<br>under 25 | 25 and<br>under 35 | 35 and<br>under 45 | 45 and<br>under 65 | 65 and<br>upwards | Total  |
|--|------------------|--------------------|--------------------|--------------------|--------------------|-------------------|--------|
| Respiratory.....<br>(Males<br>(Females     | -<br>-           | 1<br>-             | -<br>-             | 2<br>-             | 1<br>1             | -<br>-            | 4<br>1 |
| Respiratory Total                          | -                | 1                  | -                  | 2                  | 2                  | -                 | 5      |
| Non-Respiratory.....<br>(Males<br>(Females | -<br>-           | -<br>-             | 1<br>1             | 1<br>-             | 1<br>1             | 1<br>-            | 4<br>2 |
| Non-Respiratory Total                      | -                | -                  | 2                  | 1                  | 2                  | 1                 | 6      |

Table (b)  
District Distribution.

| Inverness | Aird | Badenoch | Lochaber | Skye | Outer Islands | Total |
|-----------|------|----------|----------|------|---------------|-------|
| -         | 3    | 2        | 1        | 2    | 3             | 11    |

Table (c)

Grouping in relation to Notification and Death and Discharge from an Institution and Death.

|   | Respiratory |         | Non-Respiratory |         |
|---|-------------|---------|-----------------|---------|
|   | Males       | Females | Males           | Females |
| Number of persons who died from tuberculosis                                  | 4           | 1       | 4               | 2       |
| Of whom   |             |         |                 |         |
| Not notified or notified only at or after death....                           | -           | -       | 3               | 1       |
| Notified less than 1 month before death.....                                  | 1           | -       | -               | -       |
| Do. from 1 to 3 months before death.....                                      | -           | -       | -               | -       |
| Do. from 3 to 6 months before death.....                                      | -           | -       | 1               | -       |
| Do. from 6 to 12 months before death.....                                     | -           | -       | -               | -       |
| Do. from 1 to 2 years before death.....                                       | -           | -       | -               | -       |
| Do. over 2 years before death.....  | 3           | 1       | -               | 1       |
| Total...  | 4           | 1       | 4               | 2       |
| Number who died within 28 days after discharge from<br>an Institution.....    | -           | -       | -               | -       |
| Number who died more than 28 days after discharge<br>from an Institution..... | 1           | -       | -               | -       |

The tuberculosis death rate per 1,000 of the population and the percentage of tuberculosis deaths to total deaths over the years from 1945 to 1953 are set out in tables (d) and (e). The fall in the death rate is obvious from both these tables.

Table (d)  
Tuberculosis Deaths - Rate per 1,000 of the Population.

| Year | Total Deaths<br>from Tuberculosis | Rate per 1,000<br>of the Population |
|------|-----------------------------------|-------------------------------------|
| 1945 | 38                                | 0.70                                |
| 1946 | 36                                | 0.65                                |
| 1947 | 38                                | 0.66                                |
| 1948 | 48                                | 0.86                                |
| 1949 | 50                                | 0.87                                |
| 1950 | 24                                | 0.40                                |
| 1951 | 19                                | 0.33                                |
| 1952 | 11                                | 0.19                                |
| 1953 | 11                                | 0.19                                |

Table (e)  
Percentage of Tuberculosis Deaths to Total Deaths from all Causes.

| Year | Total Deaths from<br>Tuberculosis | Total Deaths from<br>all Causes | Percentage of Tuberculosis<br>Deaths to Total Deaths<br>from all Causes |
|------|-----------------------------------|---------------------------------|---|
| 1945 | 38                                | 732                             | 5.2   |
| 1946 | 36                                | 808                             | 4.5   |
| 1947 | 38                                | 823                             | 4.6   |
| 1948 | 48                                | 715                             | 6.7   |
| 1949 | 50                                | 764                             | 6.5   |
| 1950 | 24                                | 806                             | 3.0   |
| 1951 | 19                                | 842                             | 2.3   |
| 1952 | 11                                | 677                             | 1.6   |
| 1953 | 11                                | 719                             | 1.5   |

#### INSTITUTIONAL TREATMENT

Persons found to be suffering from tuberculosis are now being admitted to hospital with very little delay. It is gratifying to record that there is practically no waiting time. Beds are available in various hospitals and sanatoria as listed in the 1951 Report.

The following table gives details of the numbers having their home residence in the area who received institutional treatment throughout the year.

| Number of Patients |                       |          |  |                                |                                  |   |   |  |
|--------------------|-----------------------|----------|--|--------------------------------|----------------------------------|---|---|--|
|                    |                       |          | In Institu-<br>tions on<br>January 1st | Admitted<br>during<br>the year | Discharged<br>during the<br>year | Died in<br>the<br>Institutions <sup>+</sup> |   | In Institu-<br>tions on<br>December 31st |
|                    |                       |          | 1                                      | 2                              | 3                                | 4   | 5 | 6  |
| Respiratory        | (Adults <sup>++</sup> | (Males   | 39                                     | 57                             | 51                               | 2   | - | 43                                       |
|                    | (                     | (Females | 31                                     | 44                             | 44                               | 1   | - | 30                                       |
|                    | (Children             | (Males   | 1                                      | 1                              | 2                                | -   | - | -  |
|                    | (                     | (Females | -                                      | -                              | -                                | -   | - | -  |
| Non-Respiratory    | (Adults <sup>++</sup> | (Males   | 1                                      | 10                             | 6                                | 2   | 2 | 1  |
|                    | (                     | (Females | 1                                      | 10                             | 8                                | 2   | - | 1  |
|                    | (Children             | (Males   | 2                                      | 2                              | 3                                | -   | - | 1  |
|                    | (                     | (Females | 1                                      | 2                              | 3                                | -   | - | -  |
| Total              |                       |          | 76                                     | 126                            | 117                              | 7   | 2 | 76                                       |

<sup>+</sup>Column 4 shows those who were in final residence 28 days or over.

Column 5 shows those who were in final residence under 28 days.

<sup>++</sup>All patients of 15 years and upwards are classed as adults.

#### DOMICILIARY TREATMENT.

Regular visitation by the District Nursing Sisters to tuberculosis patients being nursed in their own homes was carried out during the year. In all 470 patients were visited with a total of 4,883 visits.

A total sum of £158 10/- was spent by the Local Authority during the year in providing supplies of cod liver oil and malt and tuberculin tested milk to patients suffering from tuberculosis, those receiving benefits being recommended by the Tuberculosis Physician.

The shelters already provided for tuberculosis patients remained in use during 1953 while a further shelter was provided for a patient in Skye who had been in hospital for almost two years previous to his return home.

In regard to the allocation of new houses, as far as possible priority continued to be given to households where there was a member of the family suffering from tuberculosis.



## B.C.G. VACCINATION.

The work carried out in this Section is set out in the following table:-

|   | Tuberculin Tested |     | Negative re-actors |    | Vaccinated during 1953 |    |
|---|-------------------|-----|--------------------|----|------------------------|----|
|   | M                 | F   | M                  | F  | M                      | F  |
| (1) Nurses.....                                       | 21                | 28  | -                  | -  | -                      | -  |
| (2) Medical Students...                               | -                 | -   | -                  | -  | -                      | -  |
| (3) Contacts.....                                     | 56                | 85  | 39                 | 57 | 26                     | 48 |
| (4) Special Groups not included in (1) to (3) above:- |                   |     |                    |    |                        |    |
| (a) School leavers..                                  | -                 | -   | -                  | -  | -                      | -  |
| (b) New born babies.                                  | -                 | -   | -                  | -  | -                      | -  |
| (5) Others:-  |                   |     |                    |    |                        |    |
| (a) Agricultural Student.....                         | -                 | 1   | -                  | 1  | -                      | 1  |
| (b) School Hostel Children.....                       | 111               | 138 | 65                 | 84 | 65                     | 83 |

The tuberculin testing of Nurses was done under the direction of the Tuberculosis Physician, Regional Hospital Board.

In addition to the testing and vaccination of contacts under the Local Health Authority's preventive measures, it will be noted that School Hostel Children were brought within the Scheme for the first time.

## I N F E C T I O U S     D I S E A S E S .

### GENERAL .

Cases of infectious disease notified during 1953 numbered 143 being slightly fewer than the total for 1952. The figure comprises 72 males and 71 females. Approximately half of the cases were attributable to scarlet fever and one seventh to measles. Details of the notified cases with age, sex and district distribution are set out in the tables on pages 36-37.

### SCARLET FEVER.

In all 70 cases of scarlet fever were notified during 1953, being 39 males and 31 females; 64 of these cases occurred in children under 15 years of age. The districts most heavily affected were Inverness, Badenoch and the Outer Islands.

The disease assumed a mild form, 14 cases being treated in hospital while the remaining 56 cases were treated at home. There were no deaths.

### DIPHTHERIA.

For the second year in succession it is gratifying to be able to report that there were no cases of diphtheria during 1953.

### MEASLES.

Of the 21 cases of measles notified, 9 were males and 12 were females, confined entirely to Inverness and Aird Districts. Three cases were removed to hospital. There were no complications.

### WHOOPING COUGH.

Only 4 cases of whooping cough were notified, in marked contrast to the 94 cases notified the previous year.

### CHICKENPOX.

There were four cases of chickenpox notified to the Public Health Department, all being Services personnel.

### POLIOMYELITIS.

Cases of poliomyelitis numbered 11, being three males and eight females, nine of the victims being children under 15 years of age. The districts affected were Aird with one case, Badenoch with 6 cases and Skye with 4 cases. Ten cases were treated in hospital. It is regretted that the remaining case was fatal - a child under one year of age from the Badenoch District died before she could be removed to hospital.

### PARATYPHOID FEVER.

One case of paratyphoid fever occurred during the year in a child aged fifteen months residing near Dunvegan in the Isle of Skye. This child had just come into the area from England and had been infected before arrival. The child made a satisfactory recovery after treatment in hospital and no further cases occurred amongst other members of the family.

## INFECTIOUS DISEASES.

Return of Cases of Infectious Disease (excluding Tuberculosis) notified during the Year ended 31st December, 1953.

| Disease                                |   | Number of cases coming to the knowledge of the Medical Officer of Health and accepted by him as suffering from the stated disease. |         |               |                |                 |                 |                 |                 |                |                           |                               |
|--|---|--|---------|---------------|----------------|-----------------|-----------------|-----------------|-----------------|----------------|---------------------------|-------------------------------|
|  |   | At all ages  | Under 1 | 1 and under 5 | 5 and under 15 | 15 and under 25 | 25 and under 35 | 35 and under 45 | 45 and under 65 | 65 and upwards | Cases removed to Hospital | Cases not removed to Hospital |
| Cerebro-Spinal Fever..                 | M | 1  | -       | -             | 1              | -               | -               | -               | -               | -              | 1                         | -                             |
|  | F | 1  | -       | -             | -              | -               | -               | -               | -               | 1              | 1                         | -                             |
| Chickenpox.....                        | M | 4  | -       | -             | -              | 4               | -               | -               | -               | -              | 1                         | 3                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Cholera.....                           | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Continued Fever.....                   | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Diphtheria.....                        | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Dysentery.....                         | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Encephalitis Lethargica.               | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Erysipelas.....                        | M | 1  | -       | -             | -              | -               | -               | 1               | -               | -              | -                         | 1                             |
|  | F | 1  | -       | -             | -              | -               | -               | 1               | -               | -              | -                         | 1                             |
| Jaundice, Acute Infective.....         | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Malaria.....                           | M | 2  | -       | -             | 1              | 1               | -               | -               | -               | -              | -                         | 2                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Measles.....                           | M | 9  | -       | 3             | 5              | -               | 1               | -               | -               | -              | 2                         | 7                             |
|  | F | 12   | -       | 5             | 5              | -               | -               | 2               | -               | -              | 1                         | 11                            |
| Ophthalmia Neonatorum                  | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Plague.....                            | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Pneumonia, Acute Influenzal.....       | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Pneumonia, Acute Primary.....          | M | 3  | 1       | -             | -              | -               | -               | 1               | -               | 1              | -                         | 3                             |
|  | F | 5  | -       | -             | 2              | -               | -               | -               | 2               | 1              | -                         | 5                             |
| Pneumonia (not otherwise notifiable).. | M | 7  | -       | 1             | 1              | 4               | -               | -               | -               | 1              | 5                         | 2                             |
|  | F | 8  | 1       | -             | 2              | 2               | 1               | 1               | 1               | -              | 6                         | 2                             |
| Poliomyelitis, Acute.                  | M | 3  | -       | 1             | 1              | -               | -               | 1               | -               | -              | 3                         | -                             |
|  | F | 8  | 1       | 2             | 4              | -               | 1               | -               | -               | -              | 7                         | 1                             |
| Puerperal Fever.....                   | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Puerperal Pyrexia....                  | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | 2  | -       | -             | -              | -               | 1               | 1               | -               | -              | 2                         | -                             |
| Scarlet Fever.....                     | M | 39   | -       | 10            | 27             | 1               | -               | -               | -               | 1              | 11                        | 28                            |
|  | F | 31   | -       | 5             | 22             | 2               | -               | 1               | 1               | -              | 3                         | 28                            |
| Smallpox.....                          | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Typhoid Fever.....                     | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | 1  | -       | -             | -              | 1               | -               | -               | -               | -              | 1                         | -                             |
| Para-Typhoid A.....                    | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Para-Typhoid B.....                    | M | 1  | -       | 1             | -              | -               | -               | -               | -               | -              | 1                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Typhus Fever.....                      | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Whooping-Cough.....                    | M | 2  | -       | 1             | 1              | -               | -               | -               | -               | -              | 1                         | 1                             |
|  | F | 2  | -       | 1             | 1              | -               | -               | -               | -               | -              | -                         | 2                             |
| Leprosy.....                           | M | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
|  | F | -  | -       | -             | -              | -               | -               | -               | -               | -              | -                         | -                             |
| Totals.....                            | M | 72   | 1       | 17            | 37             | 10              | 1               | 3               | -               | 3              | 25                        | 47                            |
|  | F | 71   | 2       | 13            | 36             | 5               | 3               | 6               | 4               | 2              | 21                        | 50                            |

# I N F E C T I O U S     D I S E A S E S .

(District Distribution)

| Number of Cases coming to the knowledge of the Medical Officer of Health |           |      |          |          |                      |                            |      |                  |          |                                 |                                     |       |
|--|-----------|------|----------|----------|----------------------|----------------------------|------|------------------|----------|---------------------------------|-------------------------------------|-------|
| Disease  | Inverness | Aird | Badenoch | Lochaber | Kingussie<br>(Burgh) | Fort<br>William<br>(Burgh) | Skye | Outer<br>Islands | Services | Cases<br>removed to<br>hospital | Cases not<br>removed to<br>hospital | Total |
| Cerebro-Spinal Fever.....  | -         | 1    | -        | 1        | -                    | -                          | -    | -                | -        | 2                               | -                                   | 2     |
| Chickenpox.....  | -         | -    | -        | -        | -                    | -                          | -    | -                | 4        | 1                               | 3                                   | 4     |
| Erysipelas.....  | -         | 2    | -        | -        | -                    | -                          | -    | -                | -        | -                               | 2                                   | 2     |
| Malaria.....   | -         | 2    | -        | -        | -                    | -                          | -    | -                | -        | -                               | 2                                   | 2     |
| Measles.....   | 8         | 13   | -        | -        | -                    | -                          | -    | -                | -        | 3                               | 18                                  | 21    |
| Pneumonia, Acute Primary...  | 3         | 4    | -        | -        | -                    | -                          | -    | 1                | -        | -                               | 8                                   | 8     |
| Pneumonia, not otherwise<br>notifiable.....                              | 6         | 5    | -        | -        | 1                    | -                          | 2    | 1                | -        | 11                              | 4                                   | 15    |
| Poliomyelitis, Acute.....  | -         | 1    | 6        | -        | -                    | -                          | 4    | -                | -        | 10                              | 1                                   | 11    |
| Puerperal Pyrexia.....   | 1         | 1    | -        | -        | -                    | -                          | -    | -                | -        | 2                               | -                                   | 2     |
| Scarlet Fever.....   | 13        | 9    | 14       | 8        | -                    | 1                          | 4    | 21               | -        | 14                              | 56                                  | 70    |
| Typhoid Fever.....   | -         | 1    | -        | -        | -                    | -                          | -    | -                | -        | 1                               | -                                   | 1     |
| Para-Typhoid B.....  | -         | -    | -        | -        | -                    | -                          | 1    | -                | -        | 1                               | -                                   | 1     |
| Whooping Cough.....  | 2         | 2    | -        | -        | -                    | -                          | -    | -                | -        | 1                               | 3                                   | 4     |
| Totals.....  | 33        | 41   | 20       | 9        | 1                    | 1                          | 11   | 23               | 4        | 46                              | 97                                  | 143   |

## MENTAL HEALTH SERVICE.

I have little to add to what has already been said in previous reports. As has been pointed out the responsibility of the Local Authority in the field of Mental Health lies in the prevention of mental illness and in the ascertainment, care and after care of mental defectives and mentally ill persons in their own homes.

The position with regard to institutional accommodation for mental defectives remains unchanged, the shortage being as acute as ever.

No children were required to be notified during the year to the General Board of Control and the County Council in terms of Section 56 of the Education (Scotland) Act, 1946 as being ineducable. One child aged three years was notified under Section 2 of the Mental Deficiency and Lunacy (Scotland) Act, 1913. Efforts were made to have him admitted to a certified institution, without success. At present he is under the care of his parents.

Details of lunacy and mental deficiency cases are set out in the tables below. The lunacy cases listed refer only to certified patients. There were in addition quite a number of persons who were admitted as voluntary patients to Craig Dunain Hospital, but particulars of these are not available.

### Details of Lunacy Cases for Year ended 31st December, 1953.

| CRAIG DUNAIN HOSPITAL.                               |        |          |        |
|--|--------|----------|--------|
|  | Males. | Females. | Total. |
| Number of Patients at 1st January, 1953.....         | 149    | 142      | 291    |
| Admitted during year.....                            | 18     | 19       | 37     |
| Discharged recovered during year.....                | 3      | -        | 3      |
| Discharged relieved during year.....                 | 7      | 7        | 14     |
| Discharged on probation during year.....             | 1      | 1        | 2      |
| Died during year.....                                | 9      | 5        | 14     |
| Transferred to other Hospitals during year.....      | -      | 1        | 1      |
| Discharged and continued as B.O.L., during year..... | 1      | -        | 1      |
| Number of Patients remaining in Hospital at 31/12/53 | 146    | 147      | 293    |

| LONG ISLAND INSTITUTION.                             |        |          |        |
|--|--------|----------|--------|
|  | Males. | Females. | Total. |
| Number of Patients at 1st January, 1953.....         | 16     | 15       | 31     |
| Admitted during year.....                            | -      | -        | -      |
| Discharged recovered during year.....                | -      | -        | -      |
| Discharged relieved during year.....                 | -      | -        | -      |
| Discharged on probation during year.....             | -      | -        | -      |
| Died during year.....                                | -      | -        | -      |
| Number of Patients remaining in Hospital at 31/12/53 | 16     | 15       | 31     |

### Details of Lunatics on Probation.

|  | Male. | Female. | Total. |
|--|-------|---------|--------|
| Number of Patients on Probation at 1st January, 1953 | -     | 2       | 2      |
| Discharged from Hospital on Probation during year... | 2     | 2       | 4      |
| Continued as Boarded-out Lunatics.....               | -     | -       | -      |
| Returned to Hospital during year.....                | -     | -       | -      |
| Died during year.....                                | -     | -       | -      |
| Discharged recovered during year.....                | 1     | 1       | 2      |
| Removed to other areas during year.....              | -     | 1       | 1      |
| On Probation at 31/12/53.....                        | -     | 2       | 2      |



Details of Boarded-out Lunatics for Year ended 31st December, 1953.

|   | Male. | Female. | Total. |
|---|-------|---------|--------|
| Number of Boarded-out Lunatics at 1st January, 1953.. | 36    | 14      | 50     |
| Discharged recovered during year.....                 | 2     | 1       | 3      |
| Transferred to Hospital during year.....              | 2     | 1       | 3      |
| Died during year.....                                 | 1     | -       | 1      |
| Admitted to Boarded-out Lunatics Register during year | 2     | 3       | 5      |
| Transferred to other areas during year.....           | -     | 1       | 1      |
| Number of Boarded-out Lunatics at 31/12/53.....       | 33    | 14      | 47     |

Included in the above are patients boarded-out in Inverness Burgh, whose supervision was undertaken by the Inverness County Council on behalf of the Northern Regional Board (Scotland) as from November, 1949.

Details of Mental Defectives for Year ended 31st December, 1953.

Mental Defectives in Certified Institutions.

|   | Male. | Female. | Total. |
|---|-------|---------|--------|
| Number in Certified Institutions on 1/1/53.....     | 9     | 7       | 16     |
| Admitted to Certified Institutions during year..... | -     | 1       | 1      |
| Discharged on Licence during year.....              | -     | -       | -      |
| Died during year.....                               | -     | -       | -      |
| Number in Certified Institutions on 31/12/53.....   | 9     | 8       | 17     |

Mental Defectives under Guardianship.

|  | Male. | Female. | Total. |
|--|-------|---------|--------|
| Boarded out at 1/1/53 -                                |       |         |        |
| (a) with relatives.....                                | 26    | 15      | 41     |
| (b) with strangers.....                                | 2     | 4       | 6      |
| (c) in other areas.....                                | 1     | -       | 1      |
| Total Boarded-out at 1/1/53.....                       | 29    | 19      | 48     |
|  |       |         |        |
|  | Male. | Female. | Total. |
| Died during year.....                                  | 1     | -       | 1      |
| Certified insane during year.....                      | -     | -       | -      |
| Detention Order lapsed during year.....                | -     | -       | -      |
| Certified and placed under Guardianship during year... | -     | -       | -      |
| Boarded-out at 31/12/53 -                              |       |         |        |
| (a) with relatives.....                                | 25    | 15      | 40     |
| (b) with strangers.....                                | 2     | 4       | 6      |
| (c) in other areas.....                                | 1     | -       | 1      |
| Total boarded-out at 31/12/53.....                     | 28    | 19      | 47     |

## P O R T   H E A L T H   A D M I N I S T R A T I O N .

Two Declarations of Health were received during 1953 in respect of vessels from a foreign port, both ships being of Dutch Nationality calling at Fort William to unload cargoes for the North British Aluminium Company. No action required to be taken under the Port Sanitary Regulations (Scotland), 1933 and 1945.

## F O O D   S U P P L Y .

### M I L K .

For details of the administration of the legislation concerned with the production and handling of milk, reference should be made to the Annual Report of the Chief Sanitary Inspector.

It might be mentioned that during 1953 there were in the County 66 producers holding licences for the production of designated milk while the number of producers of non-designated milk numbered 55. From their herds 479 and 437 samples were taken respectively, the percentage of failures being 3% and 5%.

A change in sampling procedure was made. Instead of the old arrangements, whereby samples were taken from all producers once a month, it was decided to sample farms which regularly produced poor samples, once every two weeks, and those giving an occasional poor result, once every four weeks. Farms which in the past had been consistently good were only sampled once in eight weeks.

This new arrangement came into force at the beginning of the year and has proved most satisfactory in that a considerable decrease in the number of failing samples has resulted. At the same time there has been no decline in the quality of the samples obtained from premises examined less frequently.

Thirty-four samples were taken from the herds of non-designated producers for biological examination. One showed the presence of tubercle bacilli. The milk was immediately directed for pasteurisation and appropriate steps taken to have the infected animal identified and removed from the herd.

A falling off in the rate of sampling took place in the last quarter of the year due to the resignation on the 10th October of Miss Hiron, Milk Officer, her successor not taking up duty until January, 1954.

No outbreaks of disease due to the consumption of infected milk occurred during the year.

### I C E   C R E A M .

For particulars of the administration of the Ice Cream (Scotland) Regulations reference should be made to the Report by the Chief Sanitary Inspector.

There were no outbreaks of disease attributed to the consumption of infected ice cream during the year.

M I S C E L L A N E O U S.NURSING HOMES REGULATIONS (SCOTLAND) ACT, 1938.

There are no Nursing Homes in the County of Inverness.

NATIONAL ASSISTANCE ACT, 1948.

Section 21 - Residential Accommodation for Aged and Infirm Persons  
provided by the Local Authority.

The following tables set out the number of persons resident in Part III accommodation throughout the County. It should be noted that in two institutions, namely, Muirfield Hospital and the Long Island Institution, the accommodation is shared with the Regional Hospital Board. In Muirfield the hospital beds are for the aged chronic sick, the demand far exceeding the number of beds available, with the result that there is a considerable waiting list. The Regional Hospital Board, in order to reduce the numbers waiting, are anxious to take over that part of the hospital given over to Part III Accommodation. This is not possible as no alternative accommodation is available to the County Council for this purpose. Nevertheless it would be better if the Local Authority could see its way to doing this as quite apart from the advantage to the Regional Hospital Board if this were done, the County Council would benefit also as the cost of maintenance of Part III patients is rising rapidly, and it might well be that the Local Authority could make its own provision at less cost.

To a certain extent the foregoing comments apply also to the Long Island Institution but the position is somewhat different there as part of the hospital accommodation is for the reception of certified mental patients.

Details of Part III Accommodation for Year ended 31st December, 1953.

## AIGAS HOUSE

|                                     | Male. | Female. | Total. |
|-------------------------------------|-------|---------|--------|
| Number of Residents at 1/1/53.....  | 2     | 10      | 12     |
| Admitted during year.....           | 3     | 14      | 17     |
| Discharged during year.....         | 1     | 11      | 12     |
| Died during year.....               | -     | -       | -      |
| Number of Residents at 31/12/53.... | 4     | 13      | 17     |

## MUIRFIELD HOSPITAL

|                                     | Male. | Female. | Total. |
|-------------------------------------|-------|---------|--------|
| Number of Residents at 1/1/53.....  | 11    | 10      | 21     |
| Admitted during year.....           | 18    | 3       | 21     |
| Discharged during year.....         | 19    | 6       | 25     |
| Died during year.....               | -     | -       | -      |
| Number of Residents at 31/12/53.... | 10    | 7       | 17     |

## LONG ISLAND INSTITUTION

|                                     | Male. | Female. | Total.          |
|-------------------------------------|-------|---------|-----------------|
| Number of Residents at 1/1/53.....  | 11    | 5       | 16 <sup>+</sup> |
| Admitted during year.....           | -     | -       | -               |
| Discharged during year.....         | -     | 1       | 1 <sup>++</sup> |
| Died during year.....               | -     | -       | -               |
| Number of Residents at 31/12/53.... | 11    | 4       | 15 <sup>+</sup> |

## BELFORD HOSTEL

|                                     | Male. | Female. | Total. |
|-------------------------------------|-------|---------|--------|
| Number of Residents at 1/1/53.....  | 10    | 1       | 11     |
| Admitted during year.....           | 5     | 1       | 6      |
| Discharged during year.....         | 5     | 1       | 6      |
| Died during year.....               | 1     | 1       | 2      |
| Number of Residents at 31/12/53.... | 9     | -       | 9      |

Note: <sup>+</sup>Included two mental defectives.

<sup>++</sup>To Hospital.

Section 29 - Welfare of Handicapped Persons.

As in previous years the County Council delegates its function with regard to the blind to the Northern Counties Joint Committee which in turn avails itself of the services of the Northern Counties Institution for the Blind.

The number of persons on the register at 1st April, 1953 in sex and age grouping was as follows:-

| Age Groups. | Male.     | Female.   | Total.     |
|-------------|-----------|-----------|------------|
| 5 - 15      | 1         | 2         | 3          |
| 16 - 17     | -         | -         | -          |
| 18 - 20     | 2         | -         | 2          |
| 21 - 29     | 2         | -         | 2          |
| 30 - 39     | 4         | 1         | 5          |
| 40 - 49     | 4         | 1         | 5          |
| 50 - 59     | 6         | 4         | 10         |
| 60 - 64     | 5         | 3         | 8          |
| 65 - 69     | 7         | 11        | 18         |
| 70 upwards  | <u>42</u> | <u>57</u> | <u>99</u>  |
|             | <u>73</u> | <u>79</u> | <u>152</u> |

This represents an increase of four males and three females when compared with the figures last year.

For each certified blind person on the register the Northern Counties Institution for the Blind receives a per capita payment of £3 per annum.

In the category of crippled and other handicapped persons, it has not yet been possible to formulate any new scheme.

### Section 37 - Houses for Aged or Disabled Persons provided by Voluntary Organisations.

There are none so registered in the County so no action fell to be taken under Section 37 of the Act.

### Section 47 - Compulsory Removals.

With regard to compulsory removals under Section 47 of the Act, representations were made in respect of two aged women. One had to be certified insane and removed to hospital, the other died when consideration was being given to compulsory removal.

### Section 50 - Burials.

During the year 18 burials took place in terms of Section 50 of the Act.

### HEALTH EDUCATION.

By means of the distribution of suitable leaflets and by instructive talks given by our doctors and nurses stress is always being laid on the importance of cleanliness in relation to health.

Under the Scottish Council for Health Education, a Senior Summer School in Health Education was held in St. Andrews from 8th to 15th August, 1953. The following quotation is taken from the circular letter sent out by the Secretary of the Council when recommending the course to Medical Officers of Health and Directors of Education. "The School will be on the theme Social Health and has been designed primarily for teachers, public health staffs and social workers. The curriculum will provide a first-class opportunity for all who are interested in social health and welfare to equip themselves with the newer facts and methods in this important field. It will deal with current and foreseeable social problems from their sociological and medical aspects with special reference to the modern remedial approaches. Presentation will be by formal lecture and by led discussion and, in addition, ample opportunity will be given for informal questioning by the students. Specialist resident lecturers are being engaged for the School".

On the recommendation of the Medical Officer of Health two of our school nurses were nominated to attend the course and found it most interesting and instructive.

Later in the year from 12th to 16th October, Dr Stephen M. Young, the Medical Lecturer of the Scottish Council for Health Education carried out an instructional tour of some of the schools in Inverness Burgh and in the Aird and Badenoch Districts of the County. His talks were on general health subjects and in all 15 schools were visited.

In addition to the talks to school children an opportunity was taken to hold a meeting for adults at Aviemore, the local arrangements being made by the Village Council.

These lectures, given from time to time under the auspices of the Scottish Council for Health Education, should act as a stimulus to public interest in matters relating to the health of the community.





S C H O O L M E D I C A L S E R V I C E .

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REPORT  
FOR  
YEAR ENDED  
31st JULY, 1953.

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County Buildings,  
Ardross Street,  
Inverness, May, 1954.



# ANNUAL REPORT

on the

Medical Inspection of Schools in the County and Burgh of Inverness

for the year ended 31st July, 1953.

## 1. LIST OF STAFF.

### (a) Whole-time Public Health and Schools:-

Medical Officer of Health.....W. D. WILSON, M.D., D.P.H.  
Deputy Medical Officer of Health.....J. DEWAR, M.B., Ch.B., D.P.H.  
Assistant Medical Officer of Health.....M. H. MACARTHUR, M.B., Ch.B.  
Assistant Medical Officer of Health.....R. G. MURRAY, M.B., Ch.B., D.P.H.

### SCHOOL DENTAL SURGEONS.

Chief School Dental Surgeon.....P. B. Taylor, L.D.S., R.F.P.S.  
Assistant School Dental Surgeon.....J. MacLeod, L.D.S.  
Assistant School Dental Surgeon.....A. Mason, L.D.S.  
Assistant School Dental Surgeon.....W. G. Burnside, B.D.S.  
(Took up duty August, 1952)  
Assistant School Dental Surgeon (part-time).....A. L. Macleod, L.D.S.  
(Left service April, 1953)

School Dental Attendants.... 2

Office Staff (Clerks)..... 2

### School Nurses.

Inverness Burgh.....3  
Mainland District..... 31  
Skye District..... 13  
Outer Islands District..... 15

## 2. GENERAL STATISTICS.

|   |        |
|---|--------|
| Population of the area.....   | 85,968 |
| Number of Schools -   |        |
| (a) Primary )   | 151    |
| (b) Junior Secondary ) under Education Authority                                      | 26     |
| Senior Secondary )  | 6      |
| (c) (i) Special Schools.....  | -      |
| (ii) Special classes in ordinary schools.....   | -      |
| (d) In receipt of grant from education authority<br>and under medical inspection..... | -      |
| Number of children on the registers.....  | 13,454 |

Average Height and Weight of School Children.

The following table shows the findings in respect of a sample of 936 children -

| Sex   | Age Group              | No. | Average Age<br>in Years<br>and Months. | Average Height<br>in inches | Average Weight<br>in lbs. |
|-------|------------------------|-----|--|-----------------------------|---------------------------|
| BOYS  | Entrants.....          | 137 | 5 yrs. 5 mths.                         | 43.72                       | 43.75                     |
|       | Children born in 1943  | 139 | 9 yrs. 3 mths.                         | 51.94                       | 64.19                     |
|       | Children born in 1939  | 139 | 13 yrs. 6 mths.                        | 59.54                       | 92.75                     |
|       | Children born in 1936  | 61  | 16 yrs. 8 mths.                        | 67.99                       | 134.48                    |
| GIRLS | Entrants.....          | 134 | 5 yrs. 6 mths.                         | 43.26                       | 42.64                     |
|       | Children born in 1943. | 126 | 9 yrs. 5 mths.                         | 51.86                       | 62.84                     |
|       | Children born in 1939  | 142 | 13 yrs. 6 mths.                        | 60.05                       | 98.20                     |
|       | Children born in 1936  | 58  | 16 yrs. 7 mths.                        | 63.60                       | 119.59                    |

3. SANITARY CONDITION OF THE SCHOOLS.

The following table shows the improvements in sanitation and general state of repair which have been effected in the schools throughout the Burgh and County of Inverness. The progress made has been satisfactory.

| District.       | Electricity<br>Installations. | Sanitary<br>Equipment. | Painting<br>Internal and<br>External. | New Stoves<br>and Ranges<br>supplied. | Repairs to<br>Water Supplies<br>and heating. | General<br>Repairs. |
|-----------------|-------------------------------|------------------------|---------------------------------------|---------------------------------------|--|---------------------|
| Burgh.....      | -                             | -                      | 2                                     | -                                     | -  | 12                  |
| Mainland.....   | 7                             | 4                      | 12                                    | -                                     | 9  | 80                  |
| Skye.....       | 4                             | 4                      | 5                                     | -                                     | 3  | 28                  |
| Outer Islands.. | -                             | 3                      | 8                                     | -                                     | 6  | 55                  |



#### 4. ORGANISATION AND ADMINISTRATION.

A. System and extent of Medical Inspection and Treatment. There were no major changes during the school year under review. Children in the age groups prescribed by D.H.S. Circular No. 64/1952, i.e. entrants, pupils born in calendar years, 1943, 1939 and 1936, had a systematic medical examination while pupils born in 1945 were examined for visual acuity and hearing. In addition, children were seen as special cases at the request of the parents, the teacher or the school nurse.

Children with defects are inspected at each visit of the School Medical Officer until the condition is satisfactory. In practically all cases requiring medical treatment the parents are advised to consult their family doctors. The provision of the National Health Service Act entitling every individual to free treatment has largely done away with any reluctance on the part of parents in doing this.

As in previous years before leaving school and after the routine inspection the Medical Officer carries out a "march-past" of all pupils. By this means children with defects of clothing or cleanliness who might otherwise be missed are picked out.

The opportunity is also taken at the visit of the School Medical Officer to carry out immunisation against diphtheria. The parents of the majority of the "infant entrants" avail themselves of this facility.

B. System and extent of Dental Inspection and Treatment. As before, on entering school permanent consent to dental treatment for the whole of school life is requested from the parents. The general policy of taking the County, area by area, and carrying out the inspection and treatment of every school in turn before proceeding to the next one, was adhered to, subject, of course, to staff being available.

With regard to staff, certain changes occurred during the year, the most important being the appointment of Mr P. B. Taylor as Chief Dental Officer. Mr Taylor took up duty in March, 1953, and in addition to being a practising school dental surgeon he will supervise his colleagues and will assist in the development of the service.

Shortly after Mr Taylor's arrival the question of a Mobile Dental Trailer was explored with him and as a result a recommendation was made to the Health and Welfare Committee to acquire a suitable trailer with a Land Rover as a towing unit. Approval was obtained and delivery of the Land Rover was made in June, 1953, the trailer to be available when the schools re-opened in the Autumn.

One regrettable event was the resignation of Mr A. L. Macleod, part-time School Dental Surgeon for North Uist, South Uist and Barra, which took effect in April, 1953. Mr Macleod's appointment was made jointly with the Executive Council and in addition to working in schools he provided a General Dental Service. A successor, however, has since been appointed. Another resignation was that of Miss MacVinish, Mr Burnside replacing her in August, 1952.

With regard to the staffing position it is disappointing to record that the number of applications for any vacancy continues to be small and the choice somewhat limited. In view of the vital role which an efficient School Dental Service can play in promoting health, this fact is most discouraging. The main reasons for this apparently are a falling off in recruitment for training and the attractions of private practice.

C. School Nursing and Arrangements for Follow-up. The arrangements are unchanged from the previous school year. Briefly, for schools in the County the District Nursing Sisters act in a part-time capacity as School Nurses. They assist the Medical Officers when the medical inspection of a school is being carried out, and in addition pay a visit to each school at least once a month to attend to the cleanliness and clothing of the children. Domiciliary visits in connection with school children are paid whenever necessary. For schools in the Burgh of Inverness the services of three whole-time school nurses are made available. In addition to the duties mentioned above all three nurses give simple systematic instruction to children in the Primary Schools in the

principles of hygiene and healthy living, utilising for this purpose the syllabus prepared by the Scottish Council for Health Education in Schools. The instruction given is yielding good results and is much appreciated by the Head Teachers and class teachers alike, and, in many instances, by the parents of the children concerned.

D. Co-ordination with the Public Health Service and with other Departments which render services to Children. The arrangement whereby the Chief School Medical Officer is also County Medical Officer of Health and the Assistant School Medical Officers are also Assistant County Medical Officers of Health, continues. This arrangement works very satisfactorily and greatly facilitates co-ordination of the School Health Service with the schemes of the County Council provided under the National Health Service Act and other statutes. Close liaison with other officials such as the Director of Education, Children's Officer and Welfare Officer, is maintained.

E. Co-operation with Voluntary Bodies and other outside Agencies. Generally speaking, children in need of medical or surgical treatment are in the first place referred to the family doctor. The Regional Hospital Board, as in previous years, arranges clinics for children with defective vision, in the majority of instances the Ophthalmologist using school premises for this purpose. Children with other defects (e.g. enlarged tonsils) are, with the approval of the family doctor, referred to the appropriate specialist, the children being admitted for operation to hospitals in Inverness, Fort William, Skye, Daliburgh, South Uist, and Stornoway.

As in previous years, the School Health Service and the Royal Society for the Prevention of Cruelty to Children, in appropriate cases work in close co-operation, the local Inspector being informed of any cases which call for action on his part.

F. Co-operation with Teachers and Parents. The co-operation of the teaching staff with the School Medical Officers and Nurses continues to be of the highest order, the assistance given greatly facilitating the working of the School Health Service. In general, teachers evince the greatest interest in any measures taken for improving the health of children under their care. Every encouragement is given to the three whole-time School Nurses in the Burgh of Inverness in their work of Health education in the primary schools.

The attendance of parents at school medical inspections continues to be very variable despite the fact that parents are notified of the School Medical Officers' visits to schools. Generally speaking, in rural areas the attendance of parents is poor, but in towns the parents of infant entrants come in large numbers. Older children, however, are generally unescorted.

Once again I should like to reiterate that parents are always welcome at school medical inspections and that the Medical Officers are only too pleased to discuss any problems affecting the children's health.

## 5. FINDINGS AT MEDICAL INSPECTION.

(1) Number examined. If reference be made to Table I it will be seen that the number of children who had a complete systematic examination was 3893, an increase of 184 over last year when the figure was 3709. Once again the greatest increase occurred amongst the infant entrants and this was no doubt due to the high birth rate in the Burgh and County during 1947, the rate being at its peak that year. "Other examinations" again showed an increase from 2874 to 3493 due to an increase in the number of "special cases" and "re-inspections" by the medical Officer.

(2) Defects found. These are set out in Table III where it will be found that approximately 66% of the children were found to be free from all defects, an increase of 3% over last year. With regard to the other categories, children in whom defects were confined to defective vision in one eye only and/or dental caries, comprised 5% a decrease of 1% from last year. Children with defects of a temporary nature totalled 18.5%, a decrease of 3%. These three categories account for 90% of the children examined, a percentage which was unchanged when compared with last year. The remaining 10% approximately comprised children with defects considered curable after treatment lasting longer than several weeks or where improvement only is possible.



(3) Nutrition. As in previous years a few comments are made in this and subsequent paragraphs on the incidence of particular defects. For details reference should be made to the various sections of Table II and to the summary of sections of Table II found at the end of the report.

No children were found to have a nutritional state which could be classed as bad. The percentage of children noted as having slightly defective nutrition increased from 1.1 to 1.29. In this connection reference has already been made to difficulties in assessing the degree of nutrition due in part to the varying standards of normality as between one observer and another and to the fact that there is no strict dividing line between the normal and subnormal. The slight increase noted is not significant.

If reference, however, be made to the table showing the average height and weight of a sample of school children an overall decline in the weights of the various categories has occurred when compared with last year. The heights remained virtually unchanged. This has been noted elsewhere in Scotland.

(4) Clothing and Footgear. As in previous years the number of children found to be with insufficient clothing or unsatisfactory footgear was negligible, the percentages for all practical purposes being the same as last year.

(5) Cleanliness. Verminous infestation of the head showed a decrease in the girls from 4.07% last year to 2.98% this year, the boys showing a slight increase from 1.07% to 1.58%. The high incidence noted amongst girls in the Outer Hebrides last year has been followed by a satisfactory drop this year, but the incidence amongst boys shows an increase. Reference has been made in the 1951 report to the tremendous improvement which has taken place over the years especially in girls, but the figures given indicate the necessity for constant vigilance by all concerned.

(6) Skin. Generally speaking there was an overall decrease in the incidence of skin disease. Only one case of ringworm of the head and one of the body occurred. The incidence of impetigo of the head showed a marked decrease, while cases of scabies numbered only 11. Certainly the figures give no cause for anxiety.

(7) Mouth and Teeth. As emphasised in previous reports the Medical Officers record only conditions of the mouth and teeth which are liable to affect the general health of the child. The percentage of children with this defect remained virtually unchanged, 4.37% this year as compared with 4.5% last year. Again the highest incidence was among the entrants who had no opportunity of dental treatment in school. Reference has already been made earlier in the report to the situation as regards school dental staff.

(8) Conditions of the Nose, Throat and Cervical Glands. Generally speaking, the points to be noted in this section were a reduction in the number of children whose tonsils required observation, an over all figure of 8% this year compared with 10% last year. To offset this, there was an increase in the number of children whose tonsils required operative treatment, from approximately 3% to 5%. The increase was evident in all age groups but was greatest in the entrants. As one would expect there was a reduction in the number of children whose glands required observation and it is gratifying to note that there were no children with glands requiring operative treatment.

(9) Eye Diseases. In this section, as in previous years, the incidence of blepharitis remained low being well under 1%. No case of conjunctivitis occurred. With regard to squints the increased incidence noted last year has not been maintained and there was a drop to just below 2%. The percentage of children with defects of visual acuity both "fair" and "bad" again showed a slight increase when compared with last year. Nevertheless, the percentage of children with good vision still remained at 90%. As emphasised in previous reports, if spectacles are worn it is vision with spectacles which is recorded for the purpose of this Table.

(10) Defects of the Ears and Hearing. The number of children with discharge from ears was very low and virtually unchanged when compared with last year. The position with regard to deafness was somewhat similar, only minor grades being encountered. Discussions with one of the consultant aural surgeons about the possibility of carrying out an audiometric survey in

schools have taken place, and his advice is awaited as to the most suitable type of audiometer for this purpose. It is likely that the services of the audiometrician appointed by the Regional Hospital Board for the clinic at the Royal Northern Infirmary will be available on a part-time basis.

If reference be made to Table IV it will be seen that 12 children are being educated in Special Schools for the Deaf, principally Donaldson's School for the Deaf in Edinburgh and St. Vicent's School for the Deaf in Glasgow.

(11) Speech Defects. There was a marked reduction in the number of children found to have defective articulation, 10 this year as compared with 23 last year. Only 2 children with a stammer were encountered as compared with 9 last year. Nevertheless, if reference be made to Table IV it will be seen that there was a total of 60 children with speech defects, 46 with defective articulation and 14 with a stammer.

In this connection, at the instance of the Regional Hospital Board, discussions have taken place between the Board and the County Council, the suggestion being that the two Authorities collaborate in appointing a Speech Therapist. The discussions have reached a final stage and a Speech Therapist will be available for the next school year.

(12) Mental and Nervous Conditions. The figures for these conditions showed little change. As emphasised in previous reports the figures are much lower than they should be because of the limited time available to the medical officers for the examination of each child, rendering it impossible to estimate accurately his mental capacity.

The education psychologist referred to in last year's report has not yet been appointed although the Education Committee are proceeding with the appointment of a person to deal with handicapped children, children who are mentally retarded being included in this category. Nevertheless, the need for an educational psychologist remains. The usefulness of such an appointment has already been emphasised in last year's report.

There is still no special school provision within the County for pupils who are mentally handicapped but educable.

(13) Circulatory System. The cardiac defects discovered were exclusively of the congenital and functional type, no case of an acquired heart disease being discovered. The functional cases comprised two thirds of the total and were not of serious import. The over all incidence remains low.

(14) Lungs. Only one case of suspected tuberculosis was noted among the lung defects discovered at routine inspection. "Other lung conditions" which refers mainly to temporary respiratory catarrh showed a slight drop when compared with last year, although the greatest incidence is still amongst children in the Burgh of Inverness. A satisfactory feature was the drop in incidence from 1.16% last year to 0.5% this year in the "chronic bronchitis" group.

(15) Deformities. Generally speaking, compared with last year, there was an over all reduction in the number of children presenting deformities either congenital or acquired in type. Fortunately, the majority were not serious. Poliomyelitis which can be a crippling disease was only responsible for one case.

(16) Infectious Disease. Only three children were found by the Medical Officers to be suffering from infectious disease in the course of the routine examinations. Such children were, of course, excluded from school in the usual manner.

## 6. MEDICAL TREATMENT.

| <u>A. Minor Ailments</u>                      | <u>Local<br/>Authority</u> | <u>Private.</u> |
|---|----------------------------|-----------------|
| (1) Cuts, bruises, sprains, etc. ....         | 788                        | 38              |
| (2) Diseases of the ear.....                  | -                          | 24              |
| (3) Diseases of the eye.....                  | 7                          | 12              |
| (4) Diseases of the skin -                    |                            |                 |
| Ringworm of the scalp.....                    | -                          | 3               |
| X-ray treatments.....                         | -                          | -               |
| Ringworm of the body.....                     | -                          | 2               |
| Scabies.....                                  | -                          | -               |
| Impetigo.....                                 | 37                         | 66              |
| Other Diseases.....                           | 6                          | ( 26            |
| B. Defective Vision.....                      | 597                        | -               |
| C. Nose and Throat (operative treatment)..... | 406                        | -               |

## 7. DENTAL INSPECTION AND TREATMENT.

Please see Table V at end of Report.

## 8. SPECIAL SCHOOLS AND CLASSES.

Please see Table IV at end of Report.



TABLE I.

## A. Total Number of Children Examined during the Year under review:-

|  | Systematic<br>Examinations. |
|--|-----------------------------|
| Ordinary Schools.....                    |                             |
| (Entrants.....)                          | 1485                        |
| (Children born 1943.....)                | 1118                        |
| (Children born 1939.....)                | 13                          |
| (Children born 1936.....)                | -                           |
| Junior and Senior Secondary Schools..... |                             |
| (Children born 1939.....)                | 1047                        |
| (Children born 1936.....)                | 184                         |
|  | 3847                        |
| Other Systematic Examinations.....       | 46                          |
| Total.....                               | 3893                        |

B. Other Examinations.

|  |      |
|--|------|
| Special cases examined.....            | 183  |
| Re-inspection by Medical Officers..... | 2249 |
| Children born 1945.....                | 1061 |
| Total.....                             | 3493 |

Number of Children notified to Parents as suffering from Defects:--

|                         |     |
|-------------------------|-----|
| Entrants.....           | 181 |
| Children born 1943..... | 167 |
| Children born 1945..... | 114 |

Secondary Age Groups:-

|                                   |     |
|-----------------------------------|-----|
| Children born 1939.....           | 101 |
| Children born 1936.....           | 12  |
| Other Systematic Examinations.... | 4   |
|                                   | 579 |

### 1. NUTRITIONAL STATE - (a) Slightly Defective.

[illegible]

1. NUTRITIONAL STATE - (b) Bad.

[illegible]

TABLE II.

2. CLOTHING UNSATISFACTORY.

| District.                               | Total Number<br>Examined<br>All ages | Entrants |            | Children born<br>1943 |        | Children born<br>1939 |        | Children born<br>1936 |        | Total  |            |
|---|--------------------------------------|----------|------------|-----------------------|--------|-----------------------|--------|-----------------------|--------|--------|------------|
|   |                                      | No.      | %          | No.                   | %      | No.                   | %      | No.                   | %      | No.    | %          |
| Inverness Burgh..<br>(Boys)<br>(Girls)  | 752<br>695                           | 4<br>1   | .53<br>.14 | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | 4<br>1 | .53<br>.14 |
| Mainland.....<br>(Boys)<br>(Girls)      | 751<br>731                           | 1<br>-   | .13<br>-   | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | 1<br>- | .13<br>-   |
| Skye.....<br>(Boys)<br>(Girls)          | 157<br>171                           | -<br>1   | -<br>.58   | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>1 | -<br>.58   |
| Outer Islands....<br>(Boys)<br>(Girls)  | 301<br>289                           | -<br>-   | -<br>-     | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>- | -<br>-     |
| GRAND TOTAL.....<br>(Boys)<br>(Girls)   | 1961<br>1886                         | 5<br>2   | .25<br>.10 | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | 5<br>2 | .25<br>.10 |
| Special Cases.....<br>(Boys)<br>(Girls) | -<br>-                               | -<br>-   | -<br>-     | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | 1<br>- | -<br>-     |

3. FOOTGEAR UNSATISFACTORY.

| District.                               | Total Number<br>Examined<br>All ages | Entrants |          | Children born<br>1943 |        | Children born<br>1939 |        | Children born<br>1936 |        | Total  |            |
|---|--------------------------------------|----------|----------|-----------------------|--------|-----------------------|--------|-----------------------|--------|--------|------------|
|   |                                      | No.      | %        | No.                   | %      | No.                   | %      | No.                   | %      | No.    | %          |
| Inverness Burgh..<br>(Boys)<br>(Girls)  | 752<br>695                           | 1<br>-   | .13<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | 1<br>- | .13<br>-   |
| Mainland.....<br>(Boys)<br>(Girls)      | 751<br>731                           | -<br>-   | -<br>-   | -<br>1                | .14    | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>1 | -<br>.14   |
| Skye.....<br>(Boys)<br>(Girls)          | 157<br>171                           | -<br>-   | -<br>-   | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>- | -<br>-     |
| Outer Islands....<br>(Boys)<br>(Girls)  | 301<br>289                           | -<br>-   | -<br>-   | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>- | -<br>-     |
| GRAND TOTAL.....<br>(Boys)<br>(Girls)   | 1961<br>1886                         | 1<br>-   | .05<br>- | -<br>1                | .05    | -<br>-                | -<br>- | -<br>-                | -<br>- | 1<br>1 | .05<br>.05 |
| Special Cases.....<br>(Boys)<br>(Girls) | -<br>-                               | -<br>-   | -<br>-   | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>-                | -<br>- | -<br>- | -<br>-     |



TABLE II.

## 4. CLEANLINESS (a) Head.

| District.                 | Total Number<br>Examined<br>All ages | Entrants |      | Children born<br>1943 |      | Children born<br>1939 |      | Children born<br>1936 |   | Total |      |
|---------------------------|--------------------------------------|----------|------|-----------------------|------|-----------------------|------|-----------------------|---|-------|------|
|                           |                                      | No.      | %    | No.                   | %    | No.                   | %    | No.                   | % | No.   | %    |
| Inverness Burgh....(Boys) | 752                                  | 8        | 1.06 | 6                     | .79  | -                     | -    | -                     | - | 14    | 1.86 |
|                           | 695                                  | 22       | 3.16 | 8                     | 1.15 | 7                     | 1.01 | -                     | - | 37    | 5.32 |
| Mainland.....(Boys)       | 751                                  | 1        | .13  | 1                     | .13  | -                     | -    | -                     | - | 2     | .27  |
|                           | 731                                  | 1        | .14  | 2                     | .27  | 3                     | .41  | -                     | - | 6     | .82  |
| Skye.....(Boys)           | 157                                  | 1        | .64  | 1                     | .64  | -                     | -    | -                     | - | 2     | 1.27 |
|                           | 171                                  | 3        | 1.75 | 1                     | .58  | 2                     | 1.17 | -                     | - | 6     | 3.51 |
| Outer Islands.....(Boys)  | 301                                  | 5        | 1.66 | 2                     | .66  | 6                     | 1.99 | -                     | - | 13    | 4.32 |
|                           | 289                                  | 4        | 1.38 | 8                     | 2.77 | 14                    | 4.84 | -                     | - | 26    | 8.99 |
| GRAND TOTAL.....(Boys)    | 1961                                 | 15       | .76  | 10                    | .51  | 6                     | .30  | -                     | - | 31    | 1.58 |
|                           | 1886                                 | 30       | 1.59 | 19                    | 1.01 | 26                    | 1.38 | -                     | - | 75    | 3.98 |
| Special Cases.....(Boys)  | -                                    | -        | -    | -                     | -    | -                     | -    | -                     | - | -     | -    |
|                           | -                                    | -        | -    | -                     | -    | -                     | -    | -                     | - | 1     | -    |

## 4. CLEANLINESS (b) Body.

| District.                 | Total Number<br>Examined<br>All ages | Entrants |     | Children born<br>1943 |     | Children born<br>1939 |     | Children born<br>1936 |   | Total |     |
|---------------------------|--------------------------------------|----------|-----|-----------------------|-----|-----------------------|-----|-----------------------|---|-------|-----|
|                           |                                      | No.      | %   | No.                   | %   | No.                   | %   | No.                   | % |       |     |
| Inverness Burgh... (Boys) | 752                                  | 3        | .39 | -                     | -   | 2                     | .26 | -                     | - | 5     | .66 |
|                           | 695                                  | 1        | .14 | -                     | -   | 1                     | .14 | -                     | - | 2     | .29 |
| Mainland..... (Boys)      | 751                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
|                           | 731                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| Skye..... (Boys)          | 157                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
|                           | 171                                  | -        | -   | 1                     | .58 | -                     | -   | -                     | - | 1     | .58 |
| Outer Islands (Boys)      | 301                                  | -        | -   | -                     | -   | 1                     | .33 | -                     | - | 1     | .33 |
|                           | 289                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| GRAND TOTAL..... (Boys)   | 1961                                 | 3        | .15 | -                     | -   | 3                     | .15 | -                     | - | 6     | .30 |
|                           | 1886                                 | 1        | .05 | 1                     | .05 | 1                     | .05 | -                     | - | 3     | .16 |
| Special Cases..... (Boys) | -                                    | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
|                           | -                                    | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |







(b) Body (2) Impetigo.

[illegible]

(b) Body (3) Scabies.

[illegible]

5. SKIN (Contd.).

(b) Body (4) Other Diseases.

| District.                 | Total Number<br>Examined<br>All ages | Entrants |      | Children born<br>1943 |     | Children born<br>1939 |     | Children born<br>1936 |     | Total |      |
|---------------------------|--------------------------------------|----------|------|-----------------------|-----|-----------------------|-----|-----------------------|-----|-------|------|
|                           |                                      | No.      | %    | No.                   | %   | No.                   | %   | No.                   | %   | No.   | %    |
| Inverness Burgh....(Boys) | 752                                  | 7        | .93  | 4                     | .53 | 7                     | .93 | 2                     | .26 | 20    | 2.66 |
| .....(Girls)              | 695                                  | 11       | 1.58 | 5                     | .72 | 6                     | .86 | 1                     | .14 | 23    | 3.31 |
| Mainland.....(Boys)       | 751                                  | -        | -    | -                     | -   | -                     | -   | -                     | -   | -     | -    |
| .....(Girls)              | 731                                  | 1        | .14  | 1                     | .14 | 1                     | .14 | -                     | -   | 3     | .41  |
| Skye.....(Boys)           | 157                                  | 1        | .64  | 1                     | .64 | -                     | -   | -                     | -   | 2     | 1.27 |
| .....(Girls)              | 171                                  | -        | -    | -                     | -   | -                     | -   | -                     | -   | -     | -    |
| Outer Islands.....(Boys)  | 301                                  | -        | -    | -                     | -   | -                     | -   | -                     | -   | -     | -    |
| .....(Girls)              | 289                                  | -        | -    | -                     | -   | -                     | -   | -                     | -   | -     | -    |
| GRAND TOTAL.....(Boys)    | 1961                                 | 8        | .41  | 5                     | .25 | 7                     | .36 | 2                     | .10 | 22    | 1.12 |
| .....(Girls)              | 1886                                 | 12       | .64  | 6                     | .32 | 7                     | .37 | 1                     | .05 | 26    | 1.38 |
| Special Cases.....(Boys)  | -                                    | -        | -    | -                     | -   | -                     | -   | -                     | -   | 3     | -    |
| .....(Girls)              | -                                    | -        | -    | -                     | -   | -                     | -   | -                     | -   | 2     | -    |

6. MOUTH AND TEETH UNHEALTHY (a) TEETH UNHEALTHY.

| District.                 | Total Number<br>Examined<br>All ages | Entrants |      | Children born<br>1943 |      | Children born<br>1939 |      | Children born<br>1936 |     | Total |      |
|---------------------------|--------------------------------------|----------|------|-----------------------|------|-----------------------|------|-----------------------|-----|-------|------|
|                           |                                      | No.      | %    | No.                   | %    | No.                   | %    | No.                   | %   | No.   | %    |
| Inverness Burgh....(Boys) | 752                                  | 35       | 4.65 | 12                    | 1.59 | 10                    | 1.33 | 2                     | .26 | 59    | 7.84 |
| .....(Girls)              | 695                                  | 36       | 5.18 | 7                     | 1.01 | 6                     | .86  | 3                     | .43 | 52    | 7.48 |
| Mainland.....(Boys)       | 751                                  | 4        | .53  | 3                     | .39  | 2                     | .27  | -                     | -   | 9     | 1.19 |
| .....(Girls)              | 731                                  | 9        | 1.23 | 4                     | .55  | 1                     | .14  | -                     | -   | 14    | 1.91 |
| Skye.....(Boys)           | 157                                  | -        | -    | -                     | -    | -                     | -    | -                     | -   | -     | -    |
| .....(Girls)              | 171                                  | -        | -    | -                     | -    | -                     | -    | -                     | -   | -     | -    |
| Outer Islands.....(Boys)  | 301                                  | 10       | 3.32 | 6                     | 1.99 | -                     | -    | -                     | -   | 16    | 5.31 |
| .....(Girls)              | 289                                  | 9        | 3.11 | 5                     | 1.73 | 4                     | 1.38 | -                     | -   | 18    | 6.23 |
| GRAND TOTAL.....(Boys)    | 1961                                 | 49       | 2.49 | 21                    | 1.07 | 12                    | .61  | 2                     | .10 | 84    | 4.28 |
| .....(Girls)              | 1886                                 | 54       | 2.86 | 16                    | .85  | 11                    | .58  | 3                     | .15 | 84    | 4.45 |
| Special Cases.....(Boys)  | -                                    | -        | -    | -                     | -    | -                     | -    | -                     | -   | 3     | -    |
| .....(Girls)              | -                                    | -        | -    | -                     | -    | -                     | -    | -                     | -   | -     | -    |



## 7. NASO-PHARYNX.

## (a) NOSE (1) OBSTRUCTION REQUIRING OBSERVATION.

| District.                  | Total Number Examined All ages | Entrants |      | Children born 1943 |   | Children born 1939 |     | Children born 1936 |   | Total |
|----------------------------|--------------------------------|----------|------|--------------------|---|--------------------|-----|--------------------|---|-------|
|                            |                                | No.      | %    | No.                | % | No.                | %   | No.                | % |       |
| Inverness Burgh.... (Boys) | 752                            | 10       | 1.33 | -                  | - | 4                  | .53 | -                  | - | 14    |
| (Girls)                    | 695                            | 4        | .57  | -                  | - | 1                  | .14 | -                  | - | 5     |
| Mainland..... (Boys)       | 751                            | 4        | .53  | -                  | - | 1                  | .13 | -                  | - | 5     |
| (Girls)                    | 731                            | 2        | .27  | -                  | - | 1                  | .14 | -                  | - | 3     |
| Skye..... (Boys)           | 157                            | -        | -    | -                  | - | -                  | -   | -                  | - | -     |
| (Girls)                    | 171                            | -        | -    | -                  | - | -                  | -   | -                  | - | -     |
| Outer Islands..... (Boys)  | 301                            | -        | -    | -                  | - | -                  | -   | -                  | - | -     |
| (Girls)                    | 289                            | -        | -    | -                  | - | -                  | -   | -                  | - | -     |
| GRAND TOTAL..... (Boys)    | 1961                           | 14       | .71  | -                  | - | 5                  | .25 | -                  | - | 19    |
| (Girls)                    | 1886                           | 6        | .32  | -                  | - | 2                  | .10 | -                  | - | 8     |
| Special Cases..... (Boys)  | -                              | -        | -    | -                  | - | -                  | -   | -                  | - | -     |
| (Girls)                    | -                              | -        | -    | -                  | - | -                  | -   | -                  | - | -     |

## 7. NASO-PHARYNX.

## (a) NOSE (2) OBSTRUCTION, PROBABLY ADENOIDS, REQUIRING OPERATIVE TREATMENT.

| District.                | Total Number Examined All ages | Entrants |     | Children born 1943 |     | Children born 1939 |     | Children born 1936 |   | Total |
|--------------------------|--------------------------------|----------|-----|--------------------|-----|--------------------|-----|--------------------|---|-------|
|                          |                                | No.      | %   | No.                | %   | No.                | %   | No.                | % |       |
| Inverness Burgh.. (Boys) | 752                            | 4        | .53 | 1                  | .13 | 1                  | .13 | -                  | - | 6     |
| (Girls)                  | 695                            | 2        | .29 | -                  | -   | -                  | -   | -                  | - | 2     |
| Mainland..... (Boys)     | 751                            | -        | -   | -                  | -   | -                  | -   | -                  | - | -     |
| (Girls)                  | 731                            | -        | -   | 1                  | .14 | -                  | -   | -                  | - | 1     |
| Skye..... (Boys)         | 157                            | -        | -   | -                  | -   | -                  | -   | -                  | - | -     |
| (Girls)                  | 171                            | -        | -   | -                  | -   | -                  | -   | -                  | - | -     |
| Outer Islands.... (Boys) | 301                            | -        | -   | -                  | -   | -                  | -   | -                  | - | -     |
| (Girls)                  | 289                            | 1        | .35 | -                  | -   | -                  | -   | -                  | - | 1     |
| GRAND TOTAL..... (Boys)  | 1961                           | 4        | .20 | 1                  | .05 | 1                  | .05 | -                  | - | 6     |
| (Girls)                  | 1886                           | 3        | .16 | 1                  | .05 | -                  | -   | -                  | - | 4     |
| Special Cases (Boys)     | -                              | -        | -   | -                  | -   | -                  | -   | -                  | - | -     |
| (Girls)                  | -                              | -        | -   | -                  | -   | -                  | -   | -                  | - | 1     |

(b) THROAT (2) TONSILS REQUIRING OPERATIVE TREATMENT.

[illegible]

(c) GLANDS (1) REQUIRING OBSERVATION.

[illegible]



(a) NOSE (3) OTHER CONDITIONS.

[illegible]

(b) THROAT (1) TONSILS REQUIRING OBSERVATION.

[illegible]

## 7. NASO-PHARYNX (Contd.)

(c) GLANDS (2) REQUIRING OPERATIVE TREATMENT.

[illegible]

8. EYES.

(a) EXTERNAL DISEASES (1) BLEPHARITIS.

[illegible]

8. EYES (Contd.).

(a) EXTERNAL DISEASES (2) CONJUNCTIVITIS.

[illegible]

8. EYES (Contd.)

(a) EXTERNAL DISEASES (3) CORNEAL OPACITIES.

[illegible]



8. EYES (Contd.).

(a) EXTERNAL DISEASES (4) STRABISMUS.

| District.                               | Total Number<br>Examined<br>All ages | Entrants |              | Children born<br>1943 |             | Children born<br>1939 |            | Children born<br>1936 |        | Total    |              |
|---|--------------------------------------|----------|--------------|-----------------------|-------------|-----------------------|------------|-----------------------|--------|----------|--------------|
|   |                                      | No.      | %            | No.                   | %           | No.                   | %          | No.                   | %      | No.      | %            |
| Inverness Burgh..<br>(Boys)<br>(Girls)  | 752<br>695                           | 9<br>7   | 1.19<br>1.01 | 1<br>2                | .13<br>.29  | 2<br>4                | .26<br>.57 | =<br>=                | =<br>= | 12<br>13 | 1.59<br>1.87 |
| Mainland.....<br>(Boys)<br>(Girls)      | 751<br>731                           | 7<br>10  | .93<br>1.37  | 12<br>5               | 1.59<br>.68 | =<br>=                | =<br>=     | =<br>=                | =<br>= | 19<br>15 | 2.53<br>2.05 |
| Skye.....<br>(Boys)<br>(Girls)          | 157<br>171                           | 2<br>1   | 1.27<br>.58  | =<br>=                | =<br>=      | =<br>2                | =<br>1.17  | =<br>=                | =<br>= | 2<br>3   | 1.27<br>1.75 |
| Outer Islands....<br>(Boys)<br>(Girls)  | 301<br>289                           | 1<br>3   | .33<br>1.04  | 1<br>=                | .33<br>=    | =<br>2                | =<br>.69   | =<br>=                | =<br>= | 2<br>5   | .66<br>1.73  |
| GRAND TOTAL.....<br>(Boys)<br>(Girls)   | 1961<br>1886                         | 19<br>21 | .97<br>1.11  | 14<br>7               | .71<br>.37  | 2<br>8                | .10<br>.42 | =<br>=                | =<br>= | 35<br>36 | 1.78<br>1.91 |
| Special Cases.....<br>(Boys)<br>(Girls) | -<br>-                               | -<br>-   | -<br>-       | -<br>-                | -<br>-      | -<br>-                | -<br>-     | -<br>-                | -<br>- | 4<br>4   | =<br>=       |

8. EYES (Contd.).

(a) EXTERNAL DISEASES (5) OTHER DISEASES.

| District.                               | Total Number<br>Examined<br>All ages | Entrants |            | Children born<br>1943 |            | Children born<br>1939 |          | Children born<br>1936 |        | Total      |
|---|--------------------------------------|----------|------------|-----------------------|------------|-----------------------|----------|-----------------------|--------|------------|
|   |                                      | No.      | %          | No.                   | %          | No.                   | %        | No.                   | %      |            |
| Inverness Burgh...<br>(Boys)<br>(Girls) | 752<br>695                           | 1<br>-   | .13<br>-   | -<br>-                | -<br>-     | 1<br>-                | .13<br>- | -<br>-                | 2<br>- | .26<br>-   |
| Mainland.....<br>(Boys)<br>(Girls)      | 751<br>731                           | -<br>1   | -<br>.14   | 1<br>1                | .13<br>.14 | -<br>-                | -<br>-   | -<br>-                | 1<br>2 | .13<br>.27 |
| Skye.....<br>(Boys)<br>(Girls)          | 157<br>171                           | 1<br>-   | .64<br>-   | -<br>-                | -<br>-     | -<br>-                | -<br>-   | -<br>-                | 1<br>- | .64<br>-   |
| Outer Islands....<br>(Boys)<br>(Girls)  | 501<br>289                           | -<br>-   | -<br>-     | -<br>-                | -<br>-     | -<br>-                | -<br>-   | -<br>-                | -<br>- | -<br>-     |
| GRAND TOTAL.....<br>(Boys)<br>(Girls)   | 1961<br>1886                         | 2<br>1   | .10<br>.05 | 1<br>1                | .05<br>.05 | 1<br>-                | .05<br>- | -<br>-                | 4<br>2 | .20<br>.10 |
| Special Cases.....<br>(Boys)<br>(Girls) | -<br>-                               | -<br>-   | -<br>-     | -<br>-                | -<br>-     | -<br>-                | -<br>-   | -<br>-                | 1<br>1 | -<br>-     |

(b) VISUAL ACUITY (SNELLEN) FAIR.

[illegible]

(b) VISUAL ACUITY - BAD.

[illegible]





9. EARS (Contd.).

(b) DEFECTIVE HEARING (GRADE 1).

[illegible]

9. EARS (Contd.).

(b) DEFECTIVE HEARING (GRADE 11a).

[illegible]

9. EARS (Contd.)

(b) DEFECTIVE HEARING (GRADE 11b).

| District                           | Total Number<br>Examined<br>All ages | Entrants |   | Children born<br>1933 |   | Children born<br>1935 |   | Total |
|------------------------------------|--------------------------------------|----------|---|-----------------------|---|-----------------------|---|-------|
|                                    |                                      | No.      | % | No.                   | % | No.                   | % |       |
| Inverness Burgh....(Boys<br>Girls) | 752                                  | -        | - | -                     | - | -                     | - | -     |
|                                    | 695                                  | -        | - | -                     | - | -                     | - | -     |
| Mainland.....(Boys<br>Girls)       | 751                                  | -        | - | -                     | - | -                     | - | -     |
|                                    | 731                                  | -        | - | -                     | - | -                     | - | -     |
| Skye.....(Boys<br>Girls)           | 157                                  | -        | - | -                     | - | -                     | - | -     |
|                                    | 171                                  | -        | - | -                     | - | -                     | - | -     |
| Outer Islands.....(Boys<br>Girls)  | 301                                  | -        | - | -                     | - | -                     | - | -     |
|                                    | 289                                  | -        | - | -                     | - | -                     | - | -     |
| GRAND TOTAL.....(Boys<br>Girls)    | 1961                                 | -        | - | -                     | - | -                     | - | -     |
|                                    | 1886                                 | -        | - | -                     | - | -                     | - | -     |
| Special Cases.....(Boys<br>Girls)  | -                                    | -        | - | -                     | - | -                     | - | -     |
|                                    | -                                    | -        | - | -                     | - | -                     | - | -     |

9. EARS (Contd.)

(b) DEFECTIVE HEARING (GRADE III).

[illegible]



TABLE II.

10. SPEECH.

(a) DEFECTIVE ARTICULATION.

| District                  | Total Number<br>Examined<br>All ages | Entrants |     | Children born<br>1943 |     | Children born<br>1939 |     | Children born<br>1936 |   | Total |     |
|---------------------------|--------------------------------------|----------|-----|-----------------------|-----|-----------------------|-----|-----------------------|---|-------|-----|
|                           |                                      | No.      | %   | No.                   | %   | No.                   | %   | No.                   | % | No.   | %   |
| Inverness Burgh....(Boys) | 752                                  | 2        | .26 | -                     | -   | 2                     | .26 | -                     | - | 4     | .53 |
| (Girls)                   | 695                                  | 4        | .57 | -                     | -   | -                     | -   | -                     | - | 4     | .57 |
| Mainland.....(Boys)       | 151                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | 731                                  | -        | -   | 1                     | .14 | -                     | -   | -                     | - | 1     | .14 |
| Skye.....(Boys)           | 157                                  | -        | -   | -                     | -   | 1                     | .64 | -                     | - | 1     | .64 |
| (Girls)                   | 171                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| Outer Islands.....(Boys)  | 301                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | 289                                  | -        | -   | -                     | -   | -                     | -   | -                     | - | -     | -   |
| GRAND TOTAL.....(Boys)    | 1961                                 | 2        | .10 | -                     | -   | 3                     | .15 | -                     | - | 5     | .25 |
| (Girls)                   | 1886                                 | 4        | .21 | 1                     | .05 | -                     | -   | -                     | - | 5     | .26 |
| Special Cases.....(Boys)  | -                                    | -        | -   | -                     | -   | -                     | -   | -                     | - | 3     | -   |
| (Girls)                   | -                                    | -        | -   | -                     | -   | -                     | -   | -                     | - | 1     | -   |

10. SPEECH (Contd.).

(b) STAMMERING.

| District                  | Total Number<br>Examined<br>All ages | Entrants |   | Children born<br>1943 |   | Children born<br>1939 |     | Children born<br>1936 |   | Total |     |
|---------------------------|--------------------------------------|----------|---|-----------------------|---|-----------------------|-----|-----------------------|---|-------|-----|
|                           |                                      | No.      | % | No.                   | % | No.                   | %   | No.                   | % | No.   | %   |
| Inverness Burgh....(Boys) | 752                                  | -        | - | -                     | - | 1                     | .13 | -                     | - | 1     | .13 |
| (Girls)                   | 695                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| Mainland.....(Boys)       | 751                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | 731                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| Skye.....(Boys)           | 157                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | 171                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| Outer Islands.....(Boys)  | 301                                  | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | 289                                  | -        | - | -                     | - | 1                     | .35 | -                     | - | 1     | .35 |
| GRAND TOTAL.....(Boys)    | 1961                                 | -        | - | -                     | - | 1                     | .05 | -                     | - | 1     | .05 |
| (Girls)                   | 1886                                 | -        | - | -                     | - | 1                     | .05 | -                     | - | 1     | .05 |
| Special Cases.....(Boys)  | -                                    | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |
| (Girls)                   | -                                    | -        | - | -                     | - | -                     | -   | -                     | - | -     | -   |

## 11. MENTAL AND NERVOUS CONDITIONS (Contd.)

(C) MENTALLY DEFECTIVE - EDUCABLE.

[illegible]11. MENTAL AND NERVOUS CONDITIONS (Contd.)

(d) MENTALLY DEFECTIVE - INEDUCABLE.

[illegible]





(e) HIGHLY NERVOUS OR UNSTABLE.

[illegible]

### (f) DIFFICULT IN BEHAVIOUR

[illegible]

(a) ORGANIC HEART DISEASE (1) CONGENITAL.

[illegible]

## 12. CIRCULATORY SYSTEM (Contd.)

[illegible]



## 12. CIRCULATORY SYSTEM (Contd.).

(b) FUNCTIONAL CONDITION.

[illegible]

13. LUNGS.

(a) CHRONIC BRONCHITIS.

[illegible]

(b) SUSPECTED TUBERCULOSIS.

[illegible]

(c) OTHER DISEASES.

[illegible]



## 14. DEFORMITIES (Contd.).

(c) ACQUIRED (PROBABLY RICKETS).

[illegible]

#### 14. DEFORMITIES (Contd.)

(d) ACQUIRED (OTHER CAUSES).

[illegible]

TABLE II.

## 14. DEFORMITIES (Contd.).

## (a) CONGENITAL.

| District                  | Total Number Examined<br>All ages | Entrants |     | Children born 1943 |     | Children born 1939 |     | Children born 1936 |     | Total |     |
|---------------------------|-----------------------------------|----------|-----|--------------------|-----|--------------------|-----|--------------------|-----|-------|-----|
|                           |                                   | No.      | %   | No.                | %   | No.                | %   | No.                | %   | No.   | %   |
| Inverness Burgh... (Boys) | 752                               | -        | -   | -                  | -   | 1                  | .13 | -                  | -   | 1     | .13 |
| (Girls)                   | 695                               | 4        | .57 | -                  | -   | -                  | -   | 1                  | .14 | 5     | .72 |
| Mainland..... (Boys)      | 751                               | 2        | .27 | 2                  | .27 | -                  | -   | -                  | -   | 4     | .53 |
| (Girls)                   | 731                               | 3        | .41 | 4                  | .55 | -                  | -   | -                  | -   | 7     | .96 |
| Skye..... (Boys)          | 157                               | -        | -   | -                  | -   | -                  | -   | -                  | -   | -     | -   |
| (Girls)                   | 171                               | -        | -   | -                  | -   | 1                  | .58 | -                  | -   | 1     | .58 |
| Outer Islands... (Boys)   | 301                               | 1        | .33 | 1                  | .33 | 1                  | .33 | -                  | -   | 3     | .99 |
| (Girls)                   | 289                               | -        | -   | -                  | -   | -                  | -   | -                  | -   | -     | -   |
| GRAND TOTAL..... (Boys)   | 1961                              | 3        | .15 | 3                  | .15 | 2                  | .10 | -                  | -   | 8     | .41 |
| (Girls)                   | 1886                              | 7        | .37 | 4                  | .21 | 1                  | .05 | 1                  | .05 | 13    | .69 |
| Special Cases..... (Boys) | -                                 | -        | -   | -                  | -   | -                  | -   | -                  | -   | 1     | -   |
| (Girls)                   | -                                 | -        | -   | -                  | -   | -                  | -   | -                  | -   | 2     | -   |

## 14. DEFORMITIES (Contd.).

## (b) ACQUIRED (INFANTILE PARALYSIS).

| District                  | Total Number Examined<br>All ages | Entrants |   | Children born 1943 |     | Children born 1939 |   | Children born 1936 |   | Total |     |
|---------------------------|-----------------------------------|----------|---|--------------------|-----|--------------------|---|--------------------|---|-------|-----|
|                           |                                   | No.      | % | No.                | %   | No.                | % | No.                | % | No.   | %   |
| Inverness Burgh... (Boys) | 752                               | -        | - | 1                  | .13 | -                  | - | -                  | - | 1     | .13 |
| (Girls)                   | 695                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| Mainland..... (Boys)      | 751                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| (Girls)                   | 731                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| Skye..... (Boys)          | 157                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| (Girls)                   | 171                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| Outer Islands... (Boys)   | 301                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| (Girls)                   | 289                               | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| GRAND TOTAL..... (Boys)   | 1961                              | -        | - | 1                  | .05 | -                  | - | -                  | - | 1     | .05 |
| (Girls)                   | 1886                              | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| Special Cases..... (Boys) | -                                 | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |
| (Girls)                   | -                                 | -        | - | -                  | -   | -                  | - | -                  | - | -     | -   |





## APPENDIX TO TABLE II.

Table showing Number and Percentage of Children Examined in the 1945 Age Group with Eye and Hearing Defects.

| District           | Total Number<br>Examined<br>All ages | EYES       |      |                   |     |                      |       | EARS                |       |                    |      |                      |     |                      |   |                      |     |
|--------------------|--------------------------------------|------------|------|-------------------|-----|----------------------|-------|---------------------|-------|--------------------|------|----------------------|-----|----------------------|---|----------------------|-----|
|                    |                                      | Strabismus |      | Other<br>Diseases |     | V.A. Snellen<br>Fair |       | V.A. Snellen<br>Bad |       | Hearing<br>Grade 1 |      | Hearing<br>Grade 11a |     | Hearing<br>Grade 11b |   | Hearing<br>Grade 111 |     |
|                    |                                      | No.        | %    | No.               | %   | No.                  | %     | No.                 | %     | No.                | %    | No.                  | %   | No.                  | % | No.                  | %   |
|                    |                                      |            |      |                   |     |                      |       |                     |       |                    |      |                      |     |                      |   |                      |     |
| Inverness Burgh... | (Boys 176<br>(Girls 163              | -          | 1.14 | -                 | -   | 22                   | 12.50 | 18                  | 10.23 | 1                  | .57  | 1                    | .57 | -                    | - | -                    | -   |
|                    |                                      | -          | -    | -                 | -   | 12                   | 7.36  | 14                  | 8.59  | -                  | -    | -                    | -   | -                    | - | -                    | -   |
| Mainland.....      | (Boys 231<br>(Girls 203              | 5          | 2.16 | -                 | -   | 19                   | 8.22  | 17                  | 7.36  | -                  | -    | -                    | -   | -                    | - | -                    | -   |
|                    |                                      | 1          | .49  | 2                 | .98 | 17                   | 8.37  | 14                  | 6.89  | -                  | -    | -                    | -   | -                    | - | 1                    | .49 |
| Skye.....          | (Boys 52<br>(Girls 52                | 1          | 1.92 | -                 | -   | 11                   | 21.15 | 8                   | 15.38 | 1                  | 1.92 | -                    | -   | -                    | - | -                    | -   |
|                    |                                      | -          | -    | -                 | -   | 4                    | 7.69  | 6                   | 11.54 | -                  | -    | -                    | -   | -                    | - | -                    | -   |
| Outer islands....  | (Boys 87<br>(Girls 90                | 4          | 4.59 | -                 | -   | 14                   | 16.09 | 10                  | 11.49 | -                  | -    | -                    | -   | -                    | - | -                    | -   |
|                    |                                      | -          | -    | -                 | -   | 8                    | 8.89  | 7                   | 7.78  | -                  | -    | -                    | -   | -                    | - | -                    | -   |
| GRAND TOTAL.....   | (Boys 546<br>(Girls 508              | 12         | 2.19 | -                 | -   | 66                   | 12.09 | 53                  | 9.71  | 2                  | .37  | 1                    | .18 | -                    | - | -                    | -   |
|                    |                                      | 1          | .19  | 2                 | .39 | 41                   | 8.07  | 41                  | 8.07  | -                  | -    | -                    | -   | -                    | - | 1                    | .19 |



TABLE III.

## CLASSIFICATION OF DEFECTS FOUND AT SYSTEMATIC MEDICAL EXAMINATION.

|   | 1485     |       | 1118               |       | 1060               |       | 184                |       | 3847  |       |
|---|----------|-------|--------------------|-------|--------------------|-------|--------------------|-------|-------|-------|
|   | Entrants |       | Children born 1943 |       | Children born 1939 |       | Children born 1936 |       | Total |       |
|   | No.      | %     | No.                | %     | No.                | %     | No.                | %     | No.   | %     |
| I. Children free from Defects.....  | 862      | 58.05 | 741                | 66.28 | 796                | 75.09 | 151                | 82.06 | 2550  | 66.28 |
| II. Children (otherwise free from defects) who suffer from -  |          |       |                    |       |                    |       |                    |       |       |       |
| (a) Defective Vision not worse than $\frac{6}{12}$ in the better eye with or without glasses.....   | 1        | .07   | 45                 | 4.02  | 34                 | 3.21  | 8                  | 4.35  | 88    | 2.29  |
| (b) Oral Sepsis, etc. ....  | 62       | 4.17  | 21                 | 1.88  | 17                 | 1.60  | 1                  | .54   | 101   | 2.62  |
| (c) Children suffering from (a) and (b) defects..   | =        | =     | 2                  | .18   | 1                  | .09   | 1                  | .54   | 4     | .10   |
| III. Children suffering from ailments (other than those mentioned in II) from which complete recovery is anticipated within a few weeks.... | 63       | 4.24  | 68                 | 6.08  | 52                 | 4.90  | 10                 | 5.43  | 193   | 5.02  |
|   | 423      | 28.48 | 184                | 16.46 | 93                 | 8.77  | 11                 | 5.98  | 711   | 18.48 |
| IV. Children suffering from (or suspected to be suffering from) defects less remediable than defects specified in II or III -               |          |       |                    |       |                    |       |                    |       |       |       |
| (a) Where complete cure or restoration of function is considered possible.....  | 120      | 8.08  | 107                | 9.57  | 94                 | 8.87  | 5                  | 2.72  | 326   | 8.47  |
| (b) Where improvement only is considered possible   | 17       | 1.14  | 18                 | 1.61  | 25                 | 2.36  | 7                  | 3.80  | 67    | 1.47  |
|   | 137      | 9.22  | 125                | 11.18 | 119                | 11.23 | 12                 | 6.52  | 393   | 10.21 |
| Grand Total Defects Classified.....   | 623      | 41.95 | 377                | 33.72 | 264                | 24.90 | 33                 | 17.93 | 1297  | 33.71 |

TABLE IV.

| Disability  | At ordinary schools | At special schools or classes | At no school or institution | Total |
|---|---------------------|-------------------------------|-----------------------------|-------|
| 1. Blind.....   | -                   | 1                             | -                           | 1     |
| 2. Partially sighted.....   | 5                   | -                             | -                           | 5     |
| (Grade I.....)  | 17                  | -                             | -                           | 17    |
| 3. Deaf (Grade IIa.....)  | 6                   | -                             | -                           | 6     |
| (Grade IIb.....)  | 1                   | 1                             | -                           | 2     |
| (Grade III.....)  | 5                   | 11                            | 1                           | 17    |
| 4. Defective Speech -   |                     |                               |                             |       |
| (a) Articulation requiring special educational measures.....  | 46                  | -                             | -                           | 46    |
| (b) Stammering requiring special educational measures.....  | 14                  | -                             | -                           | 14    |
| 5. Mentally defective children between 5 and 16 years -   |                     |                               |                             |       |
| (a) Educable.....   | 11                  | -                             | -                           | 11    |
| (b) Ineducable.....   | 6                   | 1                             | 9                           | 16    |
| 6. Epilepsy -   |                     |                               |                             |       |
| (a) Mild.....   | 9                   | -                             | -                           | 9     |
| (b) Severe.....   | 1                   | -                             | -                           | 1     |
| 7. Physically defective children between 5 and 16 years -   |                     |                               |                             |       |
| (a) Non-pulmonary Tuberculosis (excluding cervical glands).   | 5                   | -                             | 4                           | 9     |
| (b) General orthopaedic conditions.....   | 62                  | 1                             | 3                           | 66    |
| (c) Organic Heart Disease....   | 21                  | -                             | 2                           | 23    |
| (d) Other causes of ill-health  | 30                  | 1                             | -                           | 31    |
| 8. Multiple Defects.....  | 13                  | 4                             | 7                           | 24    |
| <div> <div> (Educable M.D. and Defective Articulation.....3)<br/> (Educable M.D. and Congenital Disease of the Heart.....2)<br/> (Educable M.D. and Epilepsy 1)<br/> (Educable M.D. and partially sighted..... 1)<br/> (Congenital Disease of the Heart and Asthma..... 1)<br/> (Congenital Disease of the Heart and Bilateral Talipes 1)<br/> (Educable M.D. and Deafness (IIa)..... 1)<br/> (Educable M.D. and Deafness (IIb)..... 1)<br/> (Educable M.D. and Cerebral Palsy..... 1)<br/> (Congenital Disease of the Heart and other multiple Congenital Defects..... 1) </div> <div> (Ineducable M.D. and Epilepsy.....1)<br/> (Ineducable M.D. and Congenital Disease of the Heart.....1)<br/> (Ineducable M.D. and spastic paraplegia .....1)<br/> (Educable M.D., Congenital Disease of the Heart and Cerebral Thrombosis (Effects of).....1) </div> <div> (Ineducable M.D. and Cerebral Palsy.....4)<br/> (Ineducable M.D. and Epilepsy....2)<br/> (Ineducable M.D. and Congenital Disease of the Heart.....1) </div> </div> |                     |                               |                             |       |
| Total.....  | 252                 | 20                            | 26                          | 298   |

TABLE V.

Dental Inspection and Treatment for Year ended 31st July, 1953.

Number of Children who were -

(1) Inspected by the Dental Officers--

| Age  | Systematic<br>Examinations | Special and<br>Emergency<br>Cases | Total |
|--|----------------------------|-----------------------------------|-------|
| 5.....   | 326                        | "                                 | 326   |
| 6.....   | 410                        | "                                 | 410   |
| 7.....   | 506                        | "                                 | 506   |
| 8.....   | 756                        | "                                 | 756   |
| 9.....   | 804                        | "                                 | 804   |
| 10.....  | 813                        | "                                 | 813   |
| 11.....  | 703                        | "                                 | 703   |
| 12.....  | 690                        | "                                 | 690   |
| 13.....  | 279                        | "                                 | 279   |
| 14.....  | 167                        | "                                 | 167   |
| 15.....  | 171                        | "                                 | 171   |
| over   |                            |                                   |       |
| 15.....  | 51                         | "                                 | 51    |
| Total...   | 5676                       | -                                 | 5676  |
| (2) Found to require treatment.....  | 3659                       | "                                 | 3659  |
| (3) Actually treated by the School Dental Officers                               | 2952                       | "                                 | 2952  |
| (4) Number of attendances made by children for<br>treatment.....                 | 3697                       | "                                 | 3697  |
| (5) Fillings -   |                            |                                   |       |
| (a) Permanent Teeth.....   | 2538                       | "                                 | 2538  |
| (b) Temporary Teeth.....   | 872                        | "                                 | 872   |
| (6) Extractions -  |                            |                                   |       |
| (a) Permanent Teeth.....   | 559                        | "                                 | 559   |
| (b) Temporary Teeth.....   | 2532                       | "                                 | 2532  |
| (7) Number of administrations of a General Anaes-<br>thetic for Extractions..... | -                          | "                                 | -     |
| (8) Other Operations -   |                            |                                   |       |
| (a) Permanent Teeth.....)  | 147                        | "                                 | 147   |
| (b) Temporary Teeth.....)  |                            |                                   |       |
| + (9) Half-days devoted to inspection.....                                       | 120                        | "                                 | 120   |
| Half-days devoted to treatment.....  | 922                        | "                                 | 922   |
| (10) Number of children treated under private<br>arrangements.....               | -                          | "                                 | -     |

\*This figure embraces all duty sessions. As many small schools are visited, complete sessions are not devoted to inspection only. 16% of the total have refused treatment.







| Total Number of<br>Children Examined | SKYE AREA |         |           |         |           |         |           |         |           |         | OUTER ISLANDS AREA |         |           |         |           |         |           |         |           |         |           |
|--------------------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|--------------------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                                      | 122       |         | 107       |         | 81        |         | 16        |         | 328       |         | 208                |         | 194       |         | 183       |         | 5         |         | 590       |         |           |
|                                      | Entrants  |         | 1943      |         | 1939      |         | 1936      |         | Total     |         | Entrants           |         | 1943      |         | 1939      |         | 1936      |         | Total     |         |           |
| Defects                              | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c.          | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. |
| Special Groups Classified            |           |         |           |         |           |         |           |         |           |         |                    |         |           |         |           |         |           |         |           |         |           |
| 1. Nutrition.....                    | 1         | .82     | -         | -       | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | 4         | 2.18    | -         | -       | 4         | .68     |           |
| 2. Clothing.....                     | 1         | .82     | -         | -       | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | -         | -       | -         | -       | -         | -       |           |
| 3. Footgear.....                     | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | -                  | -       | -         | -       | -         | -       | -         | -       | -         | -       |           |
| 4. (Cleanliness--Head.....           | 4         | 3.28    | 2         | 1.87    | -         | 2       | 2.47      | -       | 8         | 2.44    | 9                  | 4.33    | 10        | 5.15    | 20        | 1.93    | -         | 39      | 6.61      |         |           |
| 5. (Cleanliness--Body.....           | -         | -       | 1         | .93     | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | 1         | .55     | -         | 1       | .17       |         |           |
| 6. (Condition of Skin of Head..      | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 7. (Condition of Skin of Body..      | 1         | .82     | 1         | .93     | -         | -       | -         | -       | 2         | .61     | 2                  | .96     | 1         | .51     | 1         | .55     | -         | 4       | .68       |         |           |
| 8. Mouth and Teeth Unhealthy..       | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | 19                 | 9.13    | 11        | 5.67    | 4         | 2.18    | -         | 34      | 5.76      |         |           |
| 9. (Nose.....                        | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | 1                  | .48     | -         | -       | -         | -       | -         | 1       | .17       |         |           |
| 10. Throat.....                      | 9         | 7.38    | 9         | 8.41    | -         | 7       | 8.64      | -       | 25        | 7.62    | 39                 | 18.75   | 25        | 12.89   | 9         | 4.92    | 1         | 74      | 12.54     |         |           |
| 11. Glands.....                      | 2         | 1.64    | -         | -       | -         | 1       | 1.23      | -       | 3         | .91     | 7                  | 3.36    | 1         | .51     | 1         | .55     | -         | 9       | 1.52      |         |           |
| 12. External Eye Disease.....        | -         | -       | 1         | .93     | -         | -       | -         | -       | 1         | .30     | 1                  | .48     | -         | -       | -         | -       | -         | 1       | .17       |         |           |
| 13. (Eyes-Strabismus.....            | 3         | 2.46    | -         | -       | -         | 2       | 2.47      | -       | 5         | 1.52    | 4                  | 1.92    | 1         | .51     | 2         | 1.09    | -         | 7       | 1.19      |         |           |
| 14. (Eyes--Other Diseases.....       | 1         | .82     | -         | -       | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 15. (Visual Acuity.....              | 1         | .82     | 26        | 24.29   | -         | 24      | 29.63     | -       | 51        | 15.55   | 4                  | 1.92    | 54        | 27.83   | 36        | 19.67   | 1         | 95      | 16.10     |         |           |
| 16. (Ears.....                       | -         | -       | 1         | .93     | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 17. (Hearing.....                    | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 18. Speech.....                      | -         | -       | -         | -       | -         | 1       | 1.23      | -       | 1         | .30     | -                  | -       | -         | -       | 1         | .55     | -         | 1       | .17       |         |           |
| 19. (Mental Condition.....           | -         | -       | -         | -       | -         | 1       | 1.23      | -       | 1         | .30     | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 20. (Nervous Condition.....          | -         | -       | 1         | .93     | -         | -       | -         | -       | 1         | .30     | -                  | -       | -         | -       | -         | -       | -         | -       | -         |         |           |
| 21. Heart and Circulation.....       | 1         | .82     | 1         | .93     | -         | 1       | 1.23      | -       | 3         | .91     | 1                  | .48     | 1         | .51     | 1         | .55     | -         | 3       | .51       |         |           |
| 22. Lungs.....                       | -         | -       | 1         | .93     | -         | 1       | 1.23      | -       | 2         | .61     | 3                  | 1.44    | -         | -       | 1         | .55     | -         | 4       | .68       |         |           |
| 23. Deformities.....                 | -         | -       | -         | -       | -         | 2       | 2.47      | -       | 2         | .61     | 3                  | 1.44    | 2         | 1.03    | 3         | 1.64    | -         | 8       | 1.35      |         |           |
| 24. Infectious Diseases.....         | -         | -       | -         | -       | -         | -       | -         | -       | -         | -       | 1                  | .48     | -         | -       | 1         | .55     | -         | 2       | .34       |         |           |
| 25. Other Diseases or Defects...     | 3         | 2.46    | 1         | .93     | -         | -       | -         | -       | 4         | 1.22    | 1                  | .48     | 2         | 1.03    | -         | -       | -         | 3       | .51       |         |           |

## SUMMARY (Continued)

| Total Number of<br>Children Examined | GRAND TOTAL OF ALL AGES. |           |         |           |         |           |         |           |         |           |
|--------------------------------------|--------------------------|-----------|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
|                                      | 1485                     |           | 1118    |           | 1060    |           | 184     |           | 3847    |           |
| Age groups                           | Entrants                 |           | 1943    |           | 1934    |           | 1936    |           | Total   |           |
| Defects                              | Defects                  | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. | Defects | Rate p.c. |
| Special Groups Classified            |                          |           |         |           |         |           |         |           |         |           |
| 1. Nutrition.....                    | 28                       | 1.88      | 9       | .80       | 13      | 1.23      | 0       | 0         | 50      | 1.29      |
| 2. Clothing.....                     | 7                        | .47       | 0       | 0         | 0       | 0         | 0       | 0         | 7       | .18       |
| 3. Footgear.....                     | 1                        | .07       | 1       | .09       | 0       | 0         | 0       | 0         | 2       | .05       |
| 4. (Cleanliness--Head).....          | 45                       | 3.03      | 29      | 2.59      | 32      | 3.02      | 0       | 0         | 106     | 2.75      |
| (Cleanliness--Body).....             | 4                        | .27       | 1       | .09       | 4       | .38       | 0       | 0         | 9       | .23       |
| 5. (Condition of Skin of Head..      | 7                        | .47       | 2       | .18       | 8       | .75       | 1       | .54       | 18      | .47       |
| (Condition of Skin of Body..         | 26                       | 1.75      | 13      | 1.16      | 18      | 1.51      | 3       | 1.63      | 58      | 1.51      |
| 6. (Mouth and Teeth unhealthy..      | 103                      | 6.94      | 37      | 3.31      | 23      | 2.17      | 5       | 2.72      | 168     | 4.37      |
| (Nose.....                           | 84                       | 5.66      | 14      | 1.25      | 18      | 1.69      | 1       | .54       | 117     | 3.04      |
| 7. (Throat.....                      | 327                      | 22.02     | 123     | 11.00     | 49      | 4.62      | 1       | .54       | 500     | 12.99     |
| (Glands.....                         | 80                       | 5.39      | 21      | 1.88      | 12      | 1.13      | 0       | 0         | 113     | 2.94      |
| (External Eye Disease.....           | 11                       | .74       | 8       | .71       | 6       | .57       | 2       | 1.09      | 27      | .70       |
| 8. (Eyes--Strabismus.....            | 40                       | 2.69      | 21      | 1.88      | 10      | .94       | 0       | 0         | 71      | 1.84      |
| (Eyes--Other Diseases.....           | 3                        | .20       | 2       | .18       | 1       | .09       | 0       | 0         | 6       | .15       |
| (Visual Acuity.....                  | 19                       | 1.28      | 198     | 17.71     | 144     | 13.58     | 15      | 8.15      | 376     | 9.77      |
| 9. (Ears.....                        | 11                       | .74       | 7       | .63       | 2       | .19       | 0       | 0         | 20      | .52       |
| (Hearing.....                        | 4                        | .27       | 4       | .36       | 2       | .19       | 0       | 0         | 10      | .26       |
| 10. Speech.....                      | 6                        | .40       | 1       | .09       | 5       | .47       | 0       | 0         | 12      | .31       |
| (Mental condition.....               | 1                        | .07       | 4       | .36       | 3       | .28       | 0       | 0         | 8       | .28       |
| 11. (Nervous condition.....          | 0                        | 0         | 2       | .18       | 0       | 0         | 0       | 0         | 2       | .05       |
| 12. Heart and Circulation.....       | 12                       | .81       | 9       | .80       | 5       | .47       | 3       | 1.63      | 29      | .75       |
| 13. Lungs.....                       | 43                       | 2.89      | 16      | 1.43      | 5       | .47       | 7       | 3.80      | 71      | 1.84      |
| 14. Deformities.....                 | 37                       | 2.49      | 17      | 1.52      | 16      | 1.51      | 9       | 4.89      | 79      | 2.05      |
| 15. Infectious Disease.....          | 2                        | .13       | 0       | 0         | 1       | .09       | 0       | 0         | 3       | .08       |
| 16. Other Diseases or defects...     | 30                       | 2.02      | 19      | 1.69      | 11      | 1.04      | 11      | 6.41      | 71      | 1.84      |

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